

**CITY OF CUPERTINO
COMMUNITY DEVELOPMENT DEPARTMENT**



**Bubb Road Project
INITIAL STUDY/MITIGATED NEGATIVE
DECLARATION**

November 2020



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INITIAL STUDY

November 2020

A. BACKGROUND

1. Project Title: Bubb Road Project
2. Lead Agency Name and Address: City of Cupertino
Community Development Department
10300 Torre Avenue
Cupertino, CA 95014-3255
3. Contact Person and Phone Number: Jeffrey Tsumura
Assistant Planner
(408) 777-1356
4. Project Location: 11226 Bubb Road
Cupertino, CA 95014
5. Project Sponsor's Name and Address: Ray Chen (Applicant)
1532 Wright Avenue
Sunnyvale, CA 94087

Mike and Jenny Qi (Property Owners)
11226 Bubb Road
Cupertino, CA 95014
6. General Plan Designation: Low Density (1-5 DU/Ac.)
7. Zoning Designation: Single-Family Residential (R1-7.5)
8. Required Approvals from Other Public Agencies: None
9. Surrounding Land Use and Setting:

The project site is located at 11226 Bubb Road, on the south side of Krzich Place, in the southern portion of the City of Cupertino (APN 362-06-036). The project site is zoned for Single-Family Residential with a minimum lot size of 7,500 square feet (R1-7.5), and designated for low-density residential (1-5 DU/Ac.) land use in the City of Cupertino General Plan. The project site is bordered by single-family residential homes to the north, east, south, and west.

10. Project Description Summary:

The Bubb Road Project (proposed project) includes a request for the subdivision of the single 32,316 gross square-foot (sf) lot into three lots, sized 10,335 sf, 10,053 sf, and 11,928 sf, which would allow for future redevelopment of the site with up to three single-family homes, each with up to one attached accessory dwelling unit (ADU) and one detached ADU. Recordation of a final map for the proposed project would require demolition of the on-site residence and other structures. In addition, the proposed project would include widening of Krzich Place along the project frontage.

11. Status of Native American Consultation Pursuant to Public Resources Code Section 21080.3.1:

The City of Cupertino has not received any formal requests for consultation on the proposed project. As such, formal notification of the proposed project to any tribes is not required.

B. SOURCES

The following documents are referenced information sources used for purposes of this Initial Study/Mitigated Negative Declaration:

1. Bay Area Air Quality Management District. *California Environmental Quality Act, Air Quality Guidelines*. May 2017.
2. California Air Pollution Control Officer's Association (CAPCOA). *California Emissions Estimator Model, User's Guide, Version 2016.3.2*. November 2017.
3. California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. January 20, 2017.
4. California Department of Conservation. *Santa Clara County Important Farmland Map 2014*. Published October 2016.
5. California Department of Forestry and Fire Protection. *Santa Clara County, Very High Fire Hazard Severity Zones in LRA*. October 8, 2008.
6. California Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm. Accessed March 2018.
7. California Department of Transportation. *California Scenic Highway Mapping System*. Available at: http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/index.htm. Accessed March 2018.
8. California Department of Transportation. *Transportation and Construction Vibration, Guidance Manual*. September 2013.
9. California Energy Commission. *Title 24 2019 Building Energy Efficiency Standards FAQ*. November 2018.
10. California Environmental Protection Agency, California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.

11. California Geological Survey. *Earthquake Zones of Required Investigation Cupertino Quadrangle*. September 23, 2002.
12. City of Cupertino. *Emergency Operations Plan*. September 2005.
13. City of Cupertino. *General Plan Amendment, Housing Element Update, and Associated Rezoning Draft EIR*. June 18, 2014.
14. City of Cupertino. *General Plan Amendment, Housing Element Update, and Associated Rezoning Draft EIR*. June 18, 2014.
15. City of Cupertino. *General Plan: Community Vision 2015 – 2040*. October 20, 2015.
16. City of Cupertino. *Pedestrian Transportation Plan*. February 2018.
17. City of Cupertino. *2016 Bicycle Transportation Plan*. June 2016.
18. County of Santa Clara Department of Planning and Development. *Williamson Act Properties*. Available at: <https://sccplanning.maps.arcgis.com/apps/webappviewer/index.html?id=1f39e32b4c0644b0915354c3e59778ce>. Accessed July 2020.
19. Enviro Assessment, PC. *Phase I Environmental Site Assessment, Bubb Road Property, 11226 Bubb Road, Cupertino, CA 95014*. November 17, 2017.
20. Enviro Assessment, PC. *Update Memo: Update to Environmental Site Assessment Reports: Bubb Road Property 11226 Bubb Road Cupertino, CA 95014 APN(s): 36206036*. April 15, 2020.
21. Enviro Assessment, PC. *Update to Phase II Environmental Site Assessment, Bubb Road Property, 11226 Bubb Road, Cupertino, CA 95014*. November 17, 2017.
22. Federal Emergency Management Agency. *FEMA's National Flood Hazard Layer (Official), Panel #06085C0209H*. Available at: <https://msc.fema.gov/portal/search?AddressQuery=cupertino#searchresultsanchor>. Accessed March 2018.
23. Institute of Transportation Engineers. *Trip Generation Handbook, 9th Edition*. September 2012.
24. Santa Clara Valley Transportation Authority. *2013 Congestion Management Program*. October 2013.
25. Santa Clara Valley Water District. *Urban Water Management Plan*. 2015.
26. U.S. Environmental Protection Agency. *Air Actions, California*. Available at: <https://www3.epa.gov/region9/air/sfbayoz/#0603>. Accessed July 2020.
27. U.S. Environmental Protection Agency. *Federal Register: 40 CFR Parts 51 and 52 Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NSR): Reconsideration of Inclusion of Fugitive Emissions; Final Rule*. December 19, 2008.

C. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is “Less than Significant with Mitigation Incorporated” as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forest Resources | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Energy |
| <input type="checkbox"/> Geology and Soils | <input type="checkbox"/> Greenhouse Gas Emissions | <input checked="" type="checkbox"/> Hazards and Hazardous Materials |
| <input type="checkbox"/> Hydrology and Water Quality | <input type="checkbox"/> Land Use and Planning | <input type="checkbox"/> Mineral Resources |
| <input type="checkbox"/> Noise | <input type="checkbox"/> Population and Housing | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation | <input type="checkbox"/> Tribal Cultural Resources |
| <input type="checkbox"/> Utilities and Service Systems | <input type="checkbox"/> Wildfire | <input type="checkbox"/> Mandatory Findings of Significance |

D. DETERMINATION

On the basis of this initial study:

- ☐ I find that the Proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the applicant. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the Proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Jeffrey Tsumura, Assistant Planner
Printed Name

Date

City of Cupertino
For

E. BACKGROUND AND INTRODUCTION

This Initial Study identifies and analyzes the potential environmental impacts of the Bubb Road Project (proposed project). The information and analysis presented in this document is organized in accordance with the order of the California Environmental Quality Act (CEQA) checklist in Appendix G of the CEQA Guidelines. Where the analysis provided in this document identifies potentially significant environmental effects of the project, mitigation measures are prescribed.

The mitigation measures prescribed for environmental effects described in this Initial Study/Mitigated Negative Declaration (IS/MND) would be implemented in conjunction with the project, as required by CEQA. The mitigation measures would be incorporated into the project through project conditions of approval. The City would adopt findings and a Mitigation Monitoring/Reporting Program for the project in conjunction with approval of the project.

On October 20, 2015, the City of Cupertino adopted an amended General Plan¹ and an associated Environmental Impact Report (EIR).² The General Plan EIR is a program EIR, prepared pursuant to Section 15168 of the CEQA Guidelines (Title 14, California Code of Regulations, Sections 15000 *et seq.*). The General Plan EIR analyzed full implementation of the General Plan and identified measures to mitigate the significant adverse impacts associated with buildout of the General Plan. The proposed project would be consistent with the General Plan; therefore, in accordance with Section 15150 of the CEQA Guidelines (Section 21083.3 of the Public Resources Code), this IS/MND will tier from the previously certified EIR (SCH# 2014032007) prepared for the City's General Plan where appropriate.

F. PROJECT DESCRIPTION

The following provides a description of the project site's current location and setting, as well as the proposed project components and the discretionary actions required for the project.

Project Location and Setting

The project site consists of an approximately 32,316-square-foot (0.74-acre) property located at 11226 Bubb Road in the City of Cupertino, California (see Figure 1). The site is identified by Assessor's Parcel Number (APN) 362-06-036 and is zoned Single-Family Residential with a minimum lot size of 7,500 (R1-7.5). The City's General Plan designates the site as Low Density (1-5 DU/Ac.). The project site is bordered by Krzich Place to the north, Bubb Road to the west, existing one- and two-story, single-family residential homes to the east and south (see Figure 2). Additional single-family homes are located north and west of the site across Krzich Place and Bubb Road. The nearest major roadways, McClellan Road and Rainbow Drive, are located approximately 0.7-mile north of the site and 0.3-mile south of the site, respectively. The portion of Bubb Road between Rainbow Drive and McClellan Road is identified as a Minor Collector in the City's General Plan and is a major route used by the residents in the South Monta Vista Area to access the neighborhood.

¹ City of Cupertino. *General Plan: Community Vision 2015 – 2040*. Adopted October 20, 2015.

² City of Cupertino. *General Plan Amendment, Housing Element Update, and Associated Rezoning Draft EIR*. June 18, 2014.

Figure 1
Regional Location

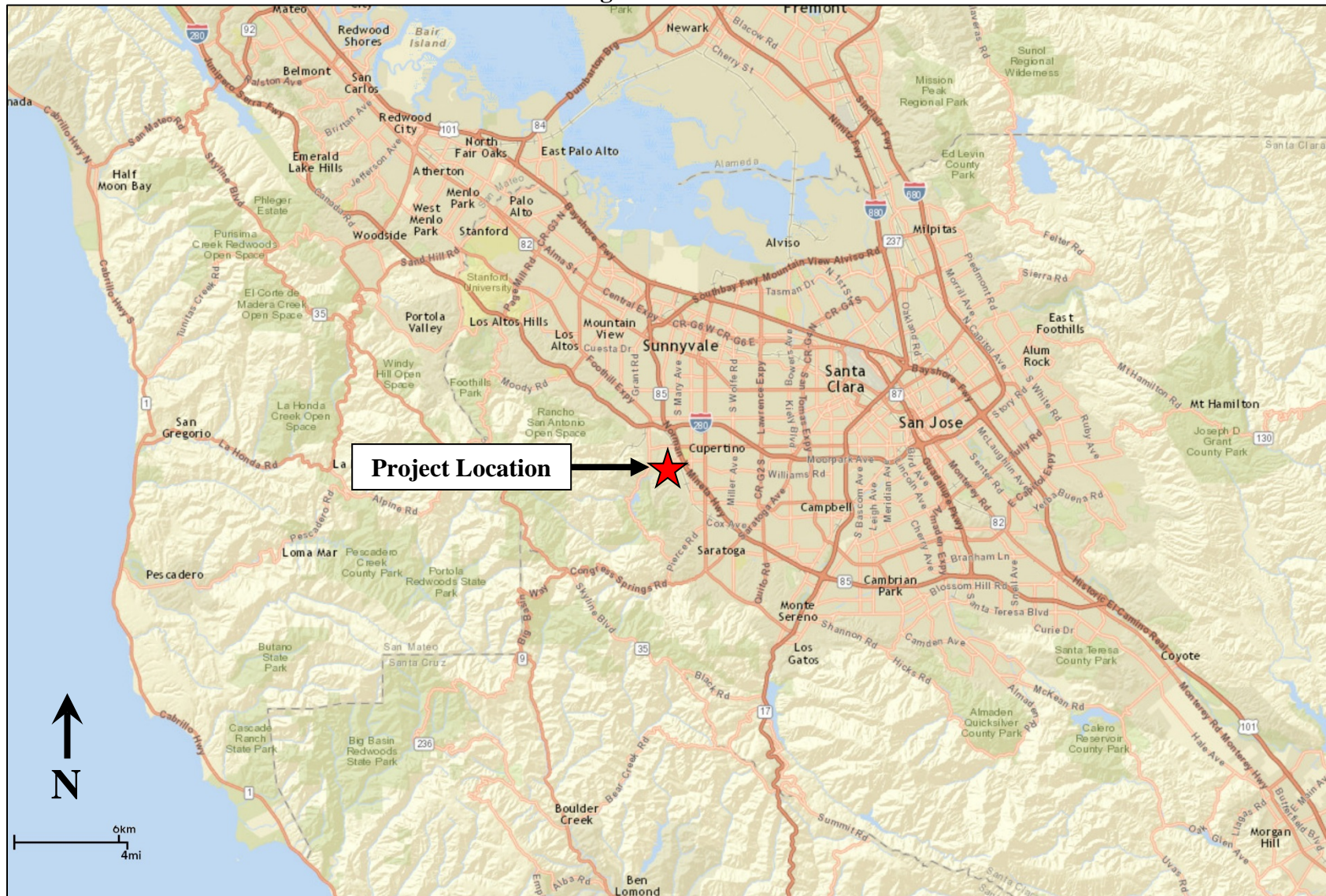
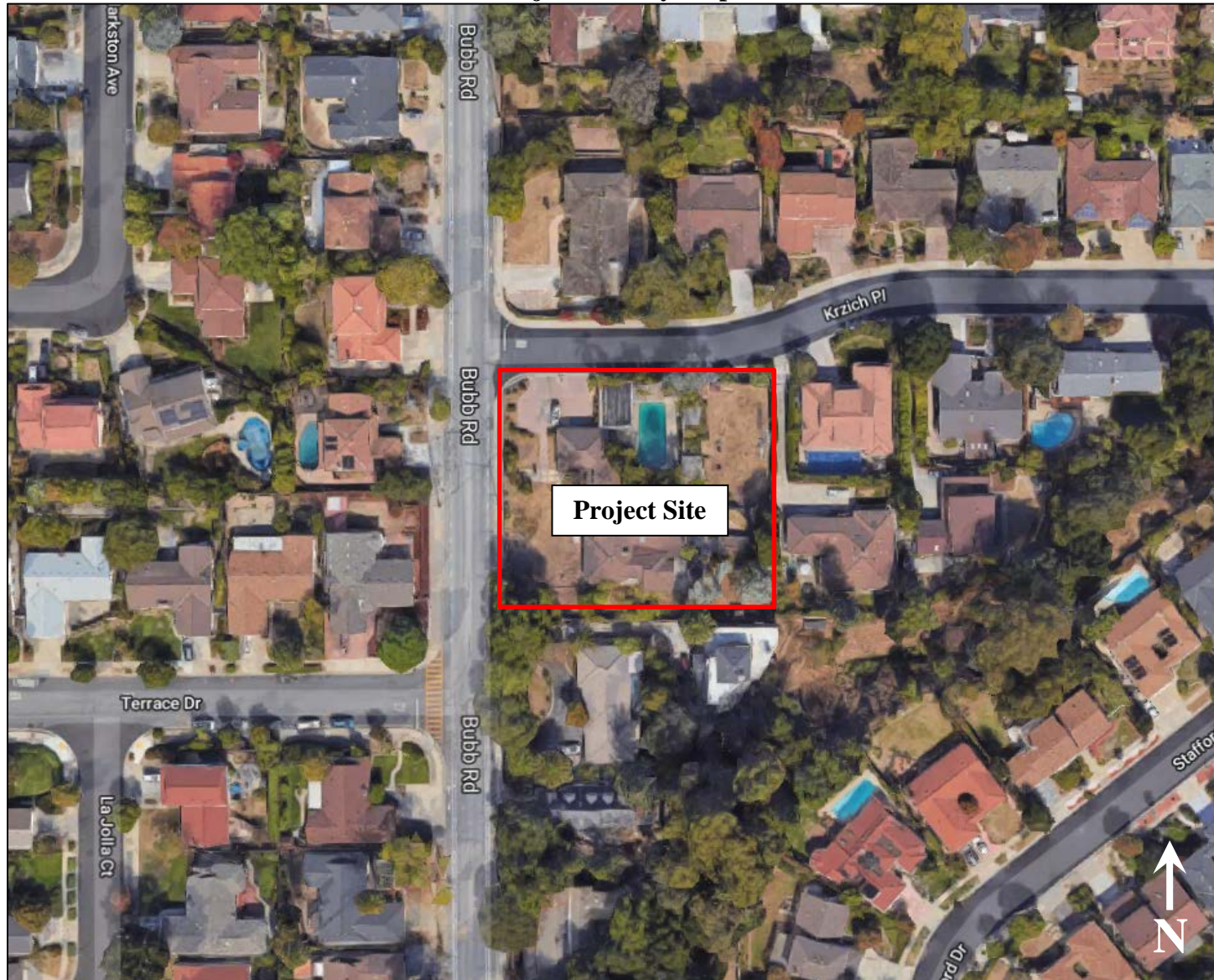


Figure 2
Project Vicinity Map



The project site currently contains one single-family residence and associated structures (approximately 5,085 square feet total). Access to the residence is provided by a concrete driveway from Krzich Place. Vegetation on the site consists primarily of landscaping associated with the residence, including some trees and shrubs.

Project Components

The proposed project includes a request for the subdivision of a 32,316 gross square-foot lot into three lots, sized approximately 10,335 sf, 10,053 sf, and 11,928 sf (see Figure 3), which would allow for future redevelopment of the site with up to three single-family homes, each with up to one attached junior accessory dwelling unit (JADU) and one detached ADU. Demolition of the existing on-site structures would be required prior to final map recordation. In addition, the proposed project would include widening of the Krzich Place right-of-way by five feet along the project frontage, an approximately 943-sf area, which would be dedicated to the City. Future development of the site would likely include removal of several of the on-site trees and a concrete wall along Bubb Road. The removal of trees is not included as part of the proposed project, and, if required for future development, would be subject to a separate Tree Removal Permit if any of the trees are considered protected trees.

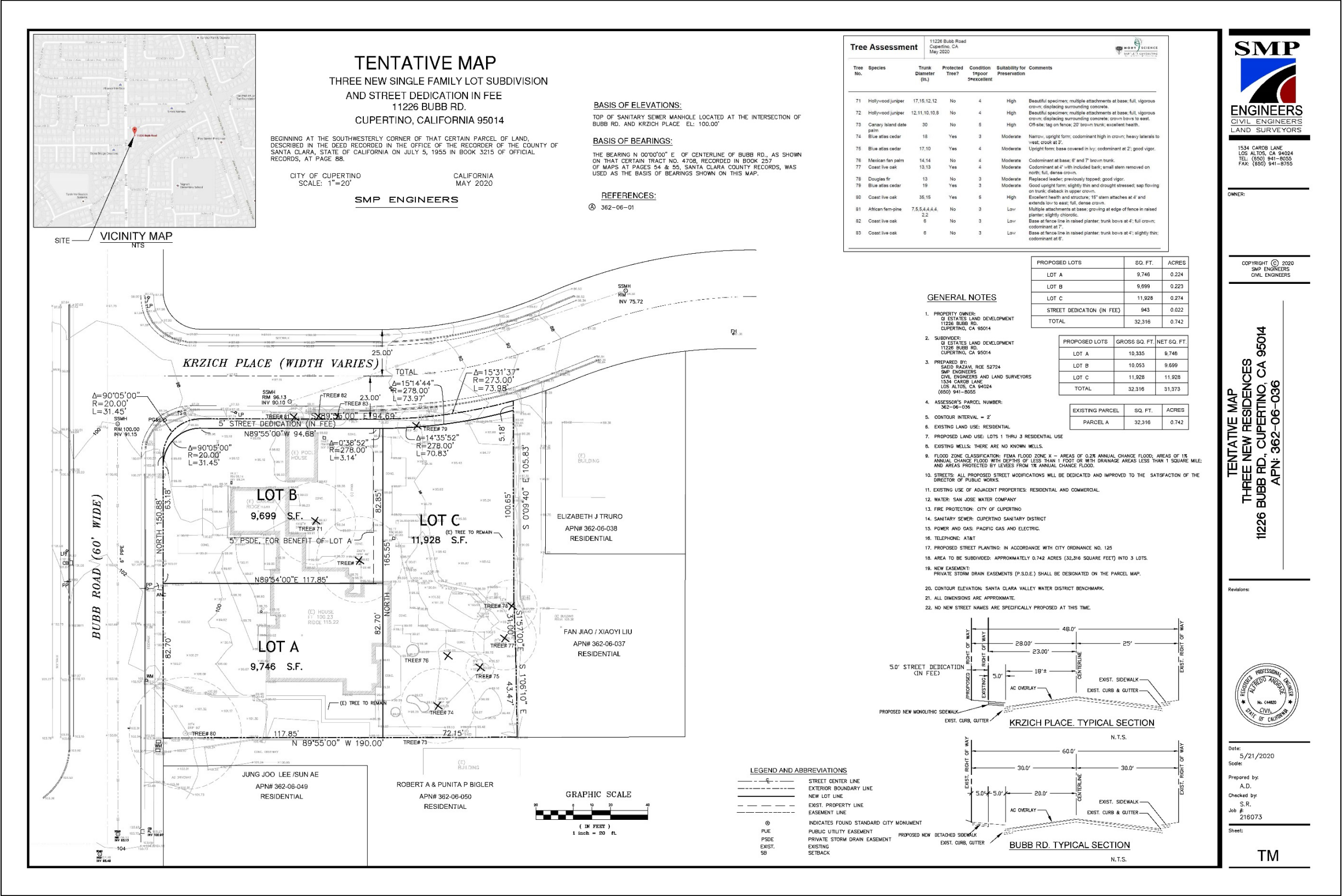
While construction of homes is not proposed at this time, this environmental document analyzes the impacts associated with the potential for construction of homes at a later date following the proposed subdivision in order to provide a worst-case analysis. The single-family residences would likely include attached garages, and front or rear porch areas. Sewer and water service for future residences would be provided by the Cupertino Sanitary District and San Jose Water Company, respectively, by way of connections to existing sanitary sewer and water supply lines. New paved driveways would connect the garages of the three residences to the adjacent roadways. Lot A would be accessible by a driveway from Bubb Road, and Lots B and C would be accessible from driveways from Krzich Place (see Figure 4). In addition, future sidewalks would be installed along the adjacent roads, including a new detached sidewalk along Bubb Road.

According to the preliminary Stormwater Control Plan prepared for the project site (see Figure 5), future residential development would incorporate three bioretention basins, one on each lot. If residential development occurs, it is anticipated that the bioretention basins would be sized to handle runoff from future impervious surfaces and landscaped areas. Roof runoff from the potential homes would be captured by a series of downspouts, deflected by splash blocks away from the buildings, and then flow to on-site landscaped areas and grassy swales to maximize infiltration before draining to the on-site bioretention basins.

Discretionary Action

Implementation of the proposed project would require City approval of a Tentative Parcel Map to subdivide the project site from one parcel into three parcels. Subsequent approvals would include discretionary permits for the construction of up to three single-family residences, which could include Two-Story Permits, Minor Residential Permits, Tree Removal Permits, and approval of a Final Subdivision Map.

Figure 3
Conceptual Site Plans



KRZICH PLACE (WIDTH VARIES)

BUBB ROAD (60' WIDE)

LOT A
FF 102.80

LOT B
FF 100.00

LOT C
FF 97.0

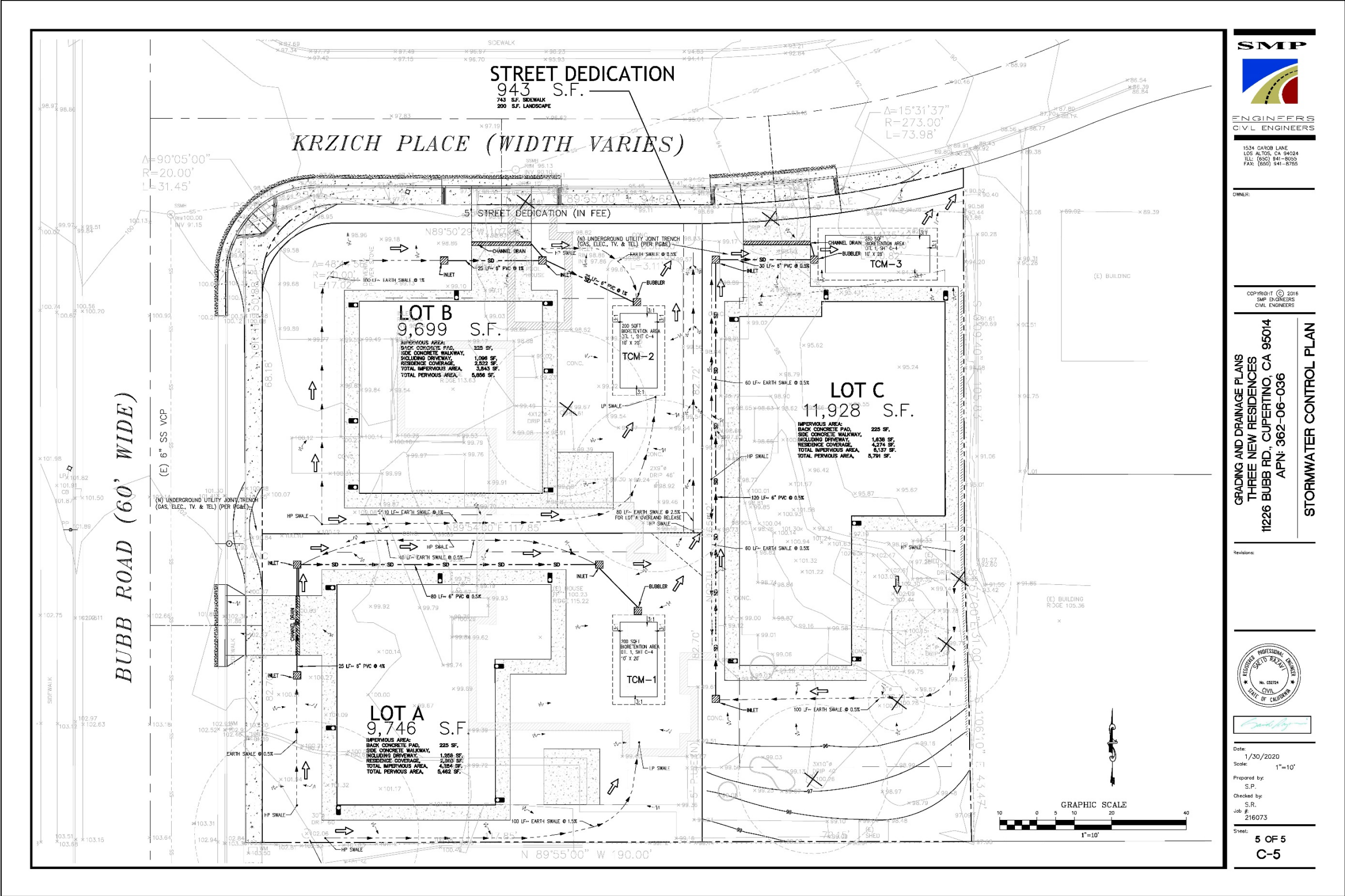
GRAPHIC SCALE
1" = 10'

GRADING AND DRAINAGE PLANS
THREE NEW RESIDENCES
11226 BUBB RD., CUPERTINO, CA 95014
APN: 362-06-036

Date: 1/30/2020
Scale: 1"=10'
Prepared by: S.P.
Checked by: S.R.
Job #: 216073

Sheet: 3 OF 5
C-3

Figure 5
Preliminary Stormwater Control Plan



G. ENVIRONMENTAL CHECKLIST

The following Checklist contains the environmental checklist form presented in Appendix G of the CEQA Guidelines. The checklist form is used to describe the impacts of the proposed project. A discussion follows each environmental issue identified in the checklist. Included in each discussion are project-specific mitigation measures recommended, as appropriate, as part of the proposed project.

For this checklist, the following designations are used:

Potentially Significant Impact: An impact that could be significant, and for which no mitigation has been identified. If any potentially significant impacts are identified, an EIR must be prepared.

Less Than Significant with Mitigation Incorporated: An impact that requires mitigation to reduce the impact to a less-than-significant level.

Less-Than-Significant Impact: Any impact that would not be considered significant under CEQA relative to existing standards.

No Impact: The project would not have any impact

I. AESTHETICS. <i>Would the project:</i>		Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a.	Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
b.	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
c.	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d.	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. Examples of typical scenic vistas would include mountain ranges, ridgelines, or bodies of water as viewed from a highway, public space, or other area designated for the express purpose of viewing and sightseeing. In general, a project's impact to a scenic vista would occur if development of the project would substantially change or remove a scenic vista. Given that the project site is currently developed and is located in a residential neighborhood, demolition of the on-site structures and potential future redevelopment of the site with up to three single-family homes would not significantly alter views of a scenic vista. Furthermore, according to the California Scenic Highway Mapping System, the project site is located approximately 3.35 miles north of the nearest State Scenic Highway, State Route (SR) 9, and approximately 1.8 miles south of Interstate 280 (I-280), an Eligible State Scenic Highway.³ Neither SR 9 or I-280 are visible from the project site.

Based on the above discussion, the proposed project would not have a substantial adverse effect on a scenic vista and would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway. Thus, ***no impact*** would occur related to such.

- c. Distinguishing between public and private views is important when evaluating changes to visual character or quality, because private views are views seen from privately-owned land and are typically associated with individual viewers, including views from private residences. Public views are experienced by the collective public, and include views of significant landscape features and along scenic roads. According to CEQA (Pub. Resources Code, § 21000 et seq.) case law, only public views, not private views, are protected under CEQA. Therefore, the focus in this section is on potential impacts to public views.

³ California Department of Transportation. *California Scenic Highway Mapping System*. Available at: http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/index.htm. Accessed March 2018.

Sensitive public viewers in the surrounding area would primarily consist of motorists, pedestrians, and bicyclists travelling on Bubb Road and Krzich Place.

Views of the project site from Bubb Road and Krzich Place currently consist of the existing on-site single-family residence, the existing on-site driveway, and various trees and shrubs. The project site is bordered on the east and south by two-story, single-family residences. The proposed project would include demolition of the existing on-site structures and removal of a majority of the on-site shrubs and trees. Implementation of the proposed project would allow for future redevelopment of the site with up to three single-family residences.

Given that the site is already developed with a residential use, and the project would be consistent with the surrounding single-family residential development, the project would not substantially degrade the aesthetic character or quality of the site for motorists, pedestrians, and bicyclists travelling along Bubb Road and Krzich Place. In addition, the project would be consistent with the site's existing zoning and General Plan land use designations. As such, changes to aesthetic character and quality associated with buildout of the site have been generally analyzed in the General Plan EIR. The General Plan EIR concludes that the bulk, mass, height and architectural character of new development are compatible with surrounding uses, thus impacts would be less than significant and without mitigation. Therefore, consistent with the General Plan, impacts related to degrading the existing visual character of the site and its surroundings would be *less than significant*.

- d. The project site is currently developed with a residential structure, and, thus, the site contains existing sources of light and glare associated with such, including, but not limited to, headlights on cars using the on-site driveway, exterior light fixtures, and interior light spilling through windows. In addition, the site is surrounded by existing residential development that currently generates similar light and glare in the area. Therefore, while potential future redevelopment of the project site with three residential homes would introduce new sources of light and glare from the site, such sources would be similar in nature to existing conditions and would not adversely affect day or nighttime views in the project area. Accordingly, a *less-than-significant* impact would occur related to light and glare.

II. AGRICULTURE AND FOREST RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
d. Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗

Discussion

- a,e. The site is not used for agricultural production. The project site is currently developed with a residential use and is surrounded by existing residential development. The site is designated as “Urban and Built-Up Land” on the Santa Clara County Important Farmland map.⁴ Furthermore, the site is not zoned or designated in the City’s General Plan for agricultural uses. Given the designation of the site as Urban and Built-Up Land, implementation of the proposed project and future development on the project site would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use, or otherwise result in the loss of Farmland to non-agricultural use. Therefore, ***no impact*** would occur as a result of the proposed project.
- b. The project site is not under a Williamson Act contract and is not designated or zoned for agricultural uses.⁵ Therefore, implementation of the proposed project and future development on the project site would not conflict with existing zoning for agricultural use or a Williamson Act contract, and ***no impact*** would occur.
- c,d. The project site is not considered forest land (as defined in Public Resources Code section 12220[g]), timberland (as defined by Public Resources Code section 4526), and is not zoned Timberland Production (as defined by Government Code section 51104[g]). The General Plan land use designation for the project site is Low Density Residential. The

⁴ California Department of Conservation. *Santa Clara County Important Farmland Map 2014*. Published October 2016.

⁵ County of Santa Clara Department of Planning and Development. *Williamson Act Properties*. Available at: <https://sccplanning.maps.arcgis.com/apps/webappviewer/index.html?id=1f39e32b4c0644b0915354c3e59778ce>. Accessed July 2020.

zoning designation for the project site is Single-Family Residential. Therefore, the proposed project would have ***no impact*** with regard to conversion of forest land or any potential conflict with forest land, timberland, or Timberland Production zoning.

III. AIR QUALITY.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. The City of Cupertino is located in the San Francisco Bay Area Air Basin (SFBAAB), which is under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD). The SFBAAB is currently designated as a nonattainment area for the State and federal ozone, State and federal fine particulate matter 2.5 microns in diameter (PM_{2.5}), and State respirable particulate matter 10 microns in diameter (PM₁₀) ambient air quality standards (AAQS). The SFBAAB is designated attainment or unclassified for all other AAQS. It should be noted that on January 9, 2013, the U.S. Environmental Protection Agency (USEPA) issued a final rule to determine that the Bay Area has attained the 24-hour PM_{2.5} federal AAQS. Nonetheless, the Bay Area must continue to be designated as nonattainment for the federal PM_{2.5} AAQS until such time as the USEPA reviews and approves a redesignation request and a maintenance plan submitted by BAAQMD.

In compliance with regulations, due to the nonattainment designations of the area, the BAAQMD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The current air quality plans are prepared in collaboration with the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG).

The most recent federal ozone plan is the 2001 Ozone Attainment Plan, which was adopted on October 24, 2001 and approved by the California Air Resources Board (CARB) on November 1, 2001. The plan was submitted to the USEPA on November 30, 2001 for review, and was approved on July 7, 2003.⁶ The most recent State ozone plan is the 2017 Clean Air Plan (CAP), adopted on April 19, 2017. The 2017 CAP was developed as a multi-pollutant plan that provides an integrated control strategy to reduce ozone, PM, toxic air contaminants (TACs), and greenhouse gases (GHGs). Although a plan for achieving the State PM₁₀ standard is not required, the BAAQMD has prioritized measures to reduce

⁶ U.S. Environmental Protection Agency. *Air Actions, California.* Available at: <https://www3.epa.gov/region9/air/sfbayoz/#0603>. Accessed July 2020.

both PM_{2.5} and PM₁₀ in developing the control strategy for the 2017 CAP. The control strategy serves as the backbone of the BAAQMD's current PM control program.

The aforementioned air quality plans contain mobile source controls, stationary source controls, and transportation control measures to be implemented in the region to attain the State and federal AAQS within the SFBAAB. Adopted BAAQMD rules and regulations, as well as the thresholds of significance, have been developed with the intent to ensure continued attainment of AAQS, or to work towards attainment of AAQS for which the area is currently designated nonattainment, consistent with applicable air quality plans. The BAAQMD's established significance thresholds associated with development projects for emissions of the ozone precursors – reactive organic gases (ROG) and oxides of nitrogen (NO_x), as well as for PM₁₀, and PM_{2.5}, expressed in pounds per day (lbs/day) and tons per year (tons/yr), are listed in Table 1. By exceeding the BAAQMD's mass emission thresholds for operational emissions of ROG, NO_x, PM₁₀, or PM_{2.5} a project would be considered to conflict with or obstruct implementation of the BAAQMD's air quality planning efforts.

Table 1			
BAAQMD Thresholds of Significance			
Pollutant	Construction	Operational	
	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/day)	Maximum Annual Emissions (tons/year)
ROG	54	54	10
NO _x	54	54	10
PM ₁₀ (exhaust)	82	82	15
PM _{2.5} (exhaust)	54	54	10

Source: BAAQMD, CEQA Guidelines, May 2017.

The proposed project would involve demolition of the on-site buildings and approval of a Tentative Subdivision Map, but does not include development of the site at this time. Nonetheless, the proposed project would allow for future development of up to three residential units on the project site. Thus, while the proposed project would not result in any direct emissions of criteria pollutants at this time, future development of the project site would involve emissions from construction and operation of up to three single-family residential units.

Construction emissions associated with demolition of the on-site structures, as well as future construction-related and operational emissions associated with up to three single-family homes were quantified using the California Emissions Estimator Model (CalEEMod) software version 2016.3.2 - a Statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, trip generation rates based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition, vehicle mix, trip length, average speed, etc. In addition, the model assumes compliance with the 2016 Title 24 Standards. However, where project-specific information is available, such information should be applied in the model. Accordingly, the modeling assumed the following:

- Construction would occur over an approximately five-month period;⁷
- All existing on-site structures would be demolished;
- A total of approximately 0.74-acre of land would be disturbed during grading; and
- A total of 591 cubic yards of soil would be exported during grading, including soil exported as part of the soil remediation activities discussed in Section VIII, Hazards and Hazardous Materials, of this IS/MND.

All CalEEMod results are included as Appendix A to this IS/MND. It should be noted that at the time the modeling was conducted, June 2018 was the anticipated construction start date. Due to project delays, the timeframe for construction has substantially shifted. However, use of June 2018 as the date of initiation of construction represents a conservative approach to analysis. In particular, CalEEMod assumes that construction fleets will become more efficient in future years due to the implementation of statewide emissions reductions programs, such as the In-Use Off-Road Vehicle Regulation. Thus, construction of the potential homes beginning in the year 2018 would result in higher emissions than if the project were assumed to begin construction in the year 2020 or later. CalEEMod includes similar assumptions for operational emissions, with operational emissions generally decreasing into the future. By assuming an earlier initiation of construction activity, the first operational year of the project would also be assumed to occur earlier. As such, the use of June 2018 as an initiation date of construction activity allows for the conservative analysis of project-related emissions during both construction and operations. Furthermore, the project modeling assumed compliance with the 2016 Title 24 Standards. Construction would now be required to comply with the 2019 Title 24 Standards, which include more stringent efficiency requirements and would further reduce operational emissions. As such, the modeling presented below represents a conservative analysis, and all conclusions presented herein remain applicable.

The estimated emissions associated with construction and operations of the project are presented and discussed in further detail below. A discussion of the proposed project's contribution to cumulative air quality conditions is provided below as well.

Construction Emissions

According to the CalEEMod results, construction activities would result in maximum unmitigated criteria air pollutant emissions as shown in Table 2. As shown in the table, the construction emissions associated with demolition of the existing structures and future development of the site with up to three residences would be below the applicable thresholds of significance for ROG, NO_x, PM₁₀, and PM_{2.5}. Fugitive emissions, defined as emissions that could not reasonably pass through a stack, chimney, vent, or other

⁷ The duration of construction activities assumed is based on default assumptions within the CalEEMod software. If the actual construction period is longer than assumed, then the daily project construction emissions would be slightly reduced compared to the daily construction emissions presented herein. Thus, the analysis provided herein is considered conservative.

functionally equivalent opening (such as windblown dust),⁸ of PM₁₀ and PM_{2.5} are also presented below for information purposes.

Table 2			
Maximum Unmitigated Construction Emissions (lbs/day)			
Pollutant	Proposed Project Emissions	Threshold of Significance	Exceeds Threshold?
ROG	2.15	54	NO
NO _x	34.07	54	NO
PM ₁₀ (exhaust)	0.86	82	NO
PM ₁₀ (fugitive)	1.73	None	N/A
PM _{2.5} (exhaust)	0.80	54	NO
PM _{2.5} (fugitive)	0.62	None	N/A
<i>Source: CalEEMod, April 2018 (see Appendix A).</i>			

Although thresholds of significance for mass emissions of fugitive dust PM₁₀ and PM_{2.5} have not been identified by the City of Cupertino or BAAQMD, because the region is in nonattainment for PM emissions (including exhaust and fugitive emissions) and fugitive PM emissions have the potential to contribute to health risks, the estimated fugitive dust emissions associated with the proposed project have been included for informational purposes. In addition, all projects within the jurisdiction of the BAAQMD are required to implement all of the BAAQMD's Basic Construction Mitigation Measures, which include a number of measures aimed at reducing fugitive PM emissions. The BAAQMD's Basic Construction Mitigation Measures are as follows:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

⁸ U.S. Environmental Protection Agency. *Federal Register: 40 CFR Parts 51 and 52 Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NSR): Reconsideration of Inclusion of Fugitive Emissions; Final Rule.* December 19, 2008.

7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified visible emissions evaluator.
8. Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

The required implementation of the BAAQMD's Basic Construction Mitigation Measures listed above would help to further minimize construction-related emissions. Because emissions associated with demolition of the existing structures and future development of the site with up to three residences would be below the applicable thresholds of significance, the proposed project would not be considered to result in a significant air quality impact during construction.

Operational Emissions

According to the CalEEMod results, future development of the site with up to three single-family residences would result in maximum unmitigated operational criteria air pollutant emissions as shown in Table 3. As shown in the table, the operational emissions associated with the proposed project would be below the applicable thresholds of significance. Because the operational emissions would be below the applicable thresholds of significance, the proposed project would result in a less-than-significant air quality impact during operations.

Table 3					
Maximum Unmitigated Operational Emissions					
Pollutant	Proposed Project Emissions		Threshold of Significance		Exceeds Threshold?
	lbs/day	tons/yr	lbs/day	tons/yr	
ROG	3.31	0.05	54	10	NO
NO _x	0.34	0.05	54	10	NO
PM ₁₀ (exhaust)	0.57	0.01	82	15	NO
PM ₁₀ (fugitive)	0.14	0.02	None	None	N/A
PM _{2.5} (exhaust)	0.57	0.01	54	10	NO
PM _{2.5} (fugitive)	0.38	0.02	None	None	N/A
<i>Source: CalEEMod, April 2018 (see Appendix A).</i>					

Cumulative Emissions

Past, present and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By nature, air pollution is largely a cumulative impact. A single project is not sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant. In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. The thresholds

of significance presented in Table 1 represent the levels at which a project's individual emissions of criteria air pollutants or precursors would result in a cumulatively considerable contribution to the SFBAAB's existing air quality conditions. If a project exceeds the significance thresholds presented in Table 1, the project's emissions would be cumulatively considerable, resulting in significant adverse cumulative air quality impacts to the region's existing air quality conditions. Because the emissions associated with the proposed project would be below the applicable thresholds of significance for both construction and operation, the project would not result in a cumulatively considerable contribution to the region's existing air quality conditions.

Conclusion

As stated previously, the applicable regional air quality plans include the 2001 Ozone Attainment Plan and the 2010 CAP. According to BAAQMD, if a project would not result in significant and unavoidable air quality impacts after the application of all feasible mitigation, the project may be considered consistent with the air quality plans. Because the proposed project would result in emissions below BAAQMD's thresholds of significance, the proposed project would not be considered to conflict with or obstruct the implementation of any regional air quality plans. Therefore, a *less-than-significant* impact would occur.

- c. Some land uses are considered more sensitive to air pollution than others, due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Sensitive receptors are typically defined as facilities where sensitive receptor population groups (i.e., children, the elderly, the acutely ill, and the chronically ill) are likely to be located. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, playgrounds, childcare centers, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest existing sensitive receptors to the project site would be the single-family residences located immediately to the south and east of the site. Additional single-family residences are located north and west of the site across Krzich Place and Bubb Road, respectively.

The major pollutant concentrations of concern are localized carbon monoxide (CO) emissions and TAC emissions, which are addressed in further detail below.

Localized CO Emissions

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. High levels of localized CO concentrations are only expected where background levels are high, and traffic volumes and congestion levels are high. Emissions of CO are of potential concern, as the pollutant is a toxic gas that results from the incomplete combustion of carbon-containing fuels such as gasoline or wood. CO emissions are particularly related to traffic levels.

In order to provide a conservative indication of whether a project would result in localized CO emissions that would exceed the applicable threshold of significance, the BAAQMD has established screening criteria for localized CO emissions. According to BAAQMD, a proposed project would result in a less-than-significant impact related to localized CO emission concentrations if all of the following conditions are true for the project:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans;
- The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour; and
- The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, underpass, etc.).

The applicable Congestion Management Plan (CMP) for the project site is the Santa Clara Valley Transportation Authority (VTA) CMP.⁹ As discussed in the Transportation section of this IS/MND, the proposed project would not conflict with the VTA CMP.

In addition, as noted throughout this IS/MND, the proposed project includes only demolition of the on-site buildings and approval of a Tentative Subdivision Map. However, this environmental analysis considers development of the site with up to three single-family residences. Such potential future residences would be anticipated to generate a total of 29 average daily trips (ADT). Given the relatively small number of trips that would be generated, the project would not substantially affect traffic volumes at intersections in the project vicinity. Furthermore, areas where vertical and/or horizontal mixing is limited due to tunnels, underpasses, or similar features do not exist in the project area. As such, based on the BAAQMD screening criteria, the proposed project would not be expected to result in substantial levels of localized CO at surrounding intersections or generate localized concentrations of CO that would exceed standards.

TAC Emissions

Another category of environmental concern is TACs. The CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook) provides recommended setback distances for sensitive land uses from major sources of TACs, including, but not limited to, freeways and high traffic roads, distribution centers, and rail yards. The CARB has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the

⁹ Santa Clara Valley Transportation Authority. 2013 *Congestion Management Program*. October 2013.

longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk.

The proposed project would not involve any land uses or operations that would be considered major sources of TACs, including DPM. As such, the proposed project would not generate any substantial pollutant concentrations during operations. However, short-term, construction-related activities could result in the generation of TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. Nevertheless, construction is temporary and occurs over a relatively short duration in comparison to the operational lifetime of the proposed project. All construction equipment and operation thereof would be regulated per the In-Use Off-Road Diesel Vehicle Regulation, which is intended to help reduce emissions associated with off-road diesel vehicles and equipment, including DPM. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. In addition, construction activity (except for street construction) would be limited to daytime hours per Section 10.48.053 of the City's Municipal Code.

Because construction equipment on-site would not operate for long periods of time and would occur on a relatively small scale, associated emissions of DPM would be minimal. Due to the temporary nature of construction and the relatively short duration of potential exposure to associated emissions, sensitive receptors in the area would not be exposed to pollutants for a permanent or substantially extended period of time. Therefore, construction of the proposed project would not be expected to expose nearby sensitive receptors to substantial pollutant concentrations.

Conclusion

Based on the above, the proposed project would not expose any sensitive receptors to substantial concentrations of localized CO or TACs from construction or operation. Therefore, the proposed project would result in a *less-than-significant* impact related to the exposure of sensitive receptors to substantial pollutant concentrations.

- d. Emissions of concern include those leading to odors, emission of dust, or emissions considered to constitute air pollutants. Air pollutants have been discussed in sections “a” through “c” above. Therefore, the following discussion focuses on emissions of odors and dust.

Per the BAAQMD CEQA Guidelines, odors are generally regarded as an annoyance rather than a health hazard.¹⁰ Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The presence of an odor impact is dependent on a number of variables including: the nature of the odor source; the frequency of odor generation; the intensity of odor; the distance of odor source to sensitive receptors; wind direction; and sensitivity of the receptor.

¹⁰ Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines* [pg. 7-1. May 2017.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, quantitative methodologies to determine the presence of a significant odor impact do not exist. Typical odor-generating land uses include, but are not limited to, wastewater treatment plants, landfills, and composting facilities. The proposed project would not introduce any such land uses. Residential land uses, such as the potential future single-family homes, are not typically associated with objectionable odors.

Construction activities often include diesel-fueled equipment and heavy-duty trucks, which could create odors associated with diesel fumes that may be considered objectionable. However, as discussed above, construction activities would be temporary, and operation of construction equipment would be restricted to daytime hours per the City's Municipal Code. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. The aforementioned regulations would help to minimize air pollutant emissions, as well as any associated odors. Accordingly, substantial objectionable odors would not be expected to occur during construction activities.

It should be noted that BAAQMD regulates objectionable odors through Regulation 7, Odorous Substances, which does not become applicable until the Air Pollution Control Officer (APCO) receives odor complaints from ten or more complainants within a 90-day period. Once effective, Regulation 7 places general limitation on odorous substances and specific emission limitations on certain odorous compounds, which remain effective until such time that citizen complaints have not been received by the APCO for one year. The limits of Regulation 7 become applicable again when the APCO receives odor complaints from five or more complainants within a 90-day period. Thus, although not anticipated, if odor complaints are made after the proposed project is developed, the BAAQMD would ensure that such odors are addressed and any potential odor effects reduced to less than significant.

As noted previously, all projects under the jurisdiction of BAAQMD are required to implement the BAAQMD's Basic Construction Mitigation Measures. The measures would act to reduce construction-related dust by ensuring that haul trucks with loose material are covered, reducing vehicle dirt track-out, and limiting vehicle speeds within project site, among other methods, which would ensure that construction activities associated with the proposed project does not result in substantial emissions of dust.

For the aforementioned reasons, construction and operation of the proposed project would not result in emissions (such as those leading to odors) adversely affecting a substantial number of people, and a *less-than-significant* impact would result.

IV. BIOLOGICAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	✗	<input type="checkbox"/>	<input type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
d. Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗

Discussion

- a. The project site comprises a 32,316-sf property located in a residential neighborhood. The site is currently developed with a residential use and is highly disturbed as a result. Vegetation on the site consists of landscaping associated with the residence, including some grass and shrubs, as well as several trees. The project site does not contain any aquatic or riparian habitat.

Raney Planning & Management, Inc. conducted a search of published records of special-status plant and wildlife species using the California Natural Diversity Database (CNDDB). The intent of the database review was to identify documented occurrences of special-status species in the vicinity of the project area, to determine their locations relative to the project site, and to evaluate their habitat requirements. The Cupertino Quad was used as the search area. The CNDDB query results indicate 4 special-status plant and 10 special-status wildlife species that are known to occur within the project vicinity. However, due to the highly-disturbed nature of the project site, the requisite habitat types for all of the identified special-status species do not occur on-site. For example, the species that require aquatic, woodland, chaparral, upland forest, or proximate open grassland habitat, would

not occur on-site because those habitats do not occur on-site or in the immediate project vicinity.

While special-status species would not occur on-site, migratory birds have the potential to nest within the on-site trees and shrubs. Birds and their nests are protected under California Fish and Game Code (Sections 3503, 3503.5, 3513), and the Migratory Bird Treaty Act (MBTA). If the proposed project includes the removal of trees during construction, impacts to nesting migratory birds could occur. Therefore, the proposed project could have a substantial adverse effect, either directly or through habitat modifications, on species identified as a candidate, sensitive, or special-status in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service, and a ***potentially significant*** impact could result.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above impact to a *less-than-significant* level.

IV-1. Nests of raptors and other birds shall be protected when in active use, as required by the federal Migratory Bird Treaty Act and the California Fish and Game Code. The construction contractor shall indicate the following on all construction plans, if construction activities and any required tree removal occur during the breeding season (February 1 and August 31). Preconstruction surveys shall:

- *Be conducted by a qualified biologist prior to tree removal or grading, demolition, or construction activities. Note that preconstruction surveys are not required for tree removal or construction, grading, or demolition activities outside the nesting period.*
- *Be conducted no more than 14 days prior to the start of tree removal or construction.*
- *Be repeated at 14-day intervals until construction has been initiated in the area after which surveys can be stopped.*
- *Document locations of active nests containing viable eggs or young birds.*

Protective measures for active nests containing viable eggs or young birds shall be implemented under the direction of the qualified biologist until the nests no longer contain eggs or young birds. Protective measures shall include:

- *Establishment of clearly delineated exclusion zones (i.e., demarcated by identifiable fencing, such as orange construction fencing or equivalent) around each nest location as determined by the qualified biologist, taking into account the species of birds nesting, their tolerance for disturbance and proximity to existing*

development. In general, exclusion zones shall be a minimum of 300 feet for raptors and 75 feet for passerines and other birds.

- *Monitoring active nests within an exclusion zone on a weekly basis throughout the nesting season to identify signs of disturbance and confirm nesting status.*
- *An increase in the radius of an exclusion zone by the qualified biologist if project activities are determined to be adversely affecting the nesting birds. Exclusion zones may be reduced by the qualified biologist only in consultation with California Department of Fish and Wildlife.*
- *The protection measures shall remain in effect until the young have left the nest and are foraging independently or the nest is no longer active.*

- b,c. The project site is currently developed with a residential use, and, thus, is highly disturbed. The site does not contain any aquatic features or riparian habitat, and sensitive plant communities, including wetlands, do not exist on or near the site. As a result, the proposed project would not have a substantial adverse effect on riparian habitat, sensitive natural communities, or state or federally protected wetlands. Thus, ***no impact*** would occur.
- d. The project site is surrounded by existing development and is not linked to any open space areas through which wildlife movement would occur. The project does not contain streams or other waterways that could be used by migratory fish or as a wildlife corridor for other wildlife species. As such, the project would not interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites. Thus, ***no impact*** would occur.
- e. As noted previously, the removal of trees is not included as part of the proposed project. However, based on the future plans for the site, development on the project site with up to three single-family residences would likely involve the removal of several on-site trees. If the trees to be removed are determined to be protected trees pursuant to Section 14.18.050 of the City's Municipal Code, a Tree Removal Permit must be obtained from the City's Community Development Department. The information required when submitting a Tree Removal Permit application, includes, but is not limited to, the following:
- A drawing outlining the location of the tree(s) and proposed tree replacements.
 - A written explanation of why the tree(s) should be removed.

In conjunction with the tree removal permit, the City would impose tree replacement standards or in-lieu fees pursuant to Section 14.18.160 of the Municipal Code. Furthermore, per Section 14.18.060 of the Municipal Code, the project applicant would be required to adopt a maintenance plan for any protected trees that would be retained as part of the project. Compliance with Chapter 14.18 of the City's Municipal Code, as described above, would ensure that any future development on the project site would not conflict with the City's tree preservation policies and ordinances. Therefore, the project would not

conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance, and a *less-than-significant* impact would occur.

- f. In 2012, the County of Santa Clara adopted the Santa Clara Valley Habitat Plan (SCVHP), which provides a framework for promoting the protection and recovery of natural resources, including endangered species within unincorporated portions of the County and the cities of Gilroy, Morgan Hill, and San Jose. However, the City of Cupertino is not included in the area covered by the SCVHP. Therefore, the project site is not located in an area with an approved Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP), or local, regional, or State habitat conservation plan, and *no impact* would occur regarding a conflict with the provisions of such a plan.

V. CULTURAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Disturb any human remains, including those interred outside of dedicated cemeteries.	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. Historical resources are features that are associated with the lives of historically-important persons and/or historically-significant events, or that embody the distinctive characteristics of a type, period, region, or method of construction. Examples of typical historical resources include, but are not limited to, buildings, farmsteads, rail lines, bridges, and trash scatters containing objects such as colored glass and ceramics. As discussed previously, the project site currently contains a single-family residence and associated structures.

In order to determine whether the on-site structures constitute historical resources, the structures were evaluated using the California Register of Historic Resources (CRHR) and National Register of Historic Places (NRHP) eligibility criteria, as presented below.

CRHR Criteria

The CRHR eligibility criteria include the following:

- (1) It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the U.S.;
- (2) It is associated with the lives of persons important to local, California, or national history;
- (3) It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or
- (4) It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

In addition, the resource must retain integrity. Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

NRHP Criteria

The NRHP eligibility criteria include the following: “The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of state and local importance that possess aspects of integrity of location, design, setting, materials, workmanship, feeling, association, and

- (a) is associated with events that have made a significant contribution to the broad patterns of our history;
- (b) is associated with the lives of a person or persons significance in our past;
- (c) embodies the distinctive characteristics of a type, period or method of construction, or represents the work of a master, or possesses high artistic value, or represents a significant and distinguishable entity whose components may lack individual distinction; or
- (d) has yielded or may be likely to yield information important in prehistory or history.

In addition, the resource must be at least 50 years old, except in exceptional circumstances.

Evaluation

According to the Phase I Environmental Site Assessment (ESA) prepared for the project site, the on-site residence was constructed circa 1955 and an associated pool house was constructed circa 2013. Because the existing pool house is less than 50 years old, the structure does not meet the criteria to qualify as a historic resource. The on-site residence is greater than 50 years old and, thus, must be further evaluated using the remaining eligibly criteria. The residence is not known to be associated with any significant historical events, have been occupied or owned by any persons important to local, State, or national history, or associated with the lives of a person or persons of significance. In addition, the on-site residence is similar to the other surrounding single-family residences in the area. Thus, the residence does not embody the distinctive characteristics of a type, period or method of construction, represent the work of a master, possess high artistic value, or represent a significant and distinguishable entity whose components may lack individual distinction.

Furthermore, according to the Phase I and Phase II ESAs, improvements to the residence were made in 1987 and in 1998, including a new furnace, mechanical work, and an addition or remodel. While the residence may retain integrity of location and some integrity of design, the house has undergone modifications since original construction in 1955. As such, the property overall would not be considered to have retained integrity of design, material, workmanship, or feeling, and would not be considered to possess sufficient physical integrity necessary to reflect historical significance. Similarly, due to the improvements made to the home since 1955, including the addition of the pool house, the structure would not be likely to yield information important to the prehistory or history of the local area, California, or the nation.

Conclusion

Based on the above, the on-site structures would not be considered eligible for consideration as historical resources per the CRHR or NRHP eligibility criteria, and, thus, would not be considered historical resources. Therefore, the project would not cause a substantial adverse change in the significance of a historical resource, and a *less-than-significant* impact would occur.

- b,c. The project site is currently developed with a residential structure, and, thus, is highly disturbed. In addition, the site is located within a residential neighborhood. Due to the disturbed nature of the site and the surrounding area, the discovery of underlying archeological and/or tribal resources is not expected. However, unknown archaeological resources, including human bone, have the potential to be uncovered during ground-disturbing construction activities at the project site.

In compliance with State law (Section 7050.5 of the Health and Safety Code and Section 5097.94 of the Public Resources Code), as well as the City's standard conditions of approval, in the event human remains are encountered during grading and construction, all work within 50 feet of the find would be stopped, and the Santa Clara County Coroner's office would be notified. If the remains are determined to be Native American, the Coroner would notify the Native American Heritage Commission to identify the "Most Likely Descendant" (MLD). The City of Cupertino, in consultation with the MLD, would then prepare a plan for treatment, study, and re-internment of the remains.

Therefore, given the low likelihood of encountering resources, and the proposed project's compliance with the City's standard conditions of approval regarding cultural resources, the project would not cause a substantial adverse change in the significance of a unique archaeological resource pursuant to CEQA Guidelines Section 15064.5 or disturb human remains, including those interred outside of formal cemeteries. Therefore, impacts would be considered *less than significant*.

VI. ENERGY.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. The main forms of available energy supply are electricity, natural gas, and oil. A description of the California Green Building Standards Code and the Building Energy Efficiency Standards, with which the proposed project would be required to comply, as well as discussions regarding the proposed project's potential effects related to energy demand during construction and operations are provided below.

California Green Building Standards Code

The California Green Building Standards Code, otherwise known as the CALGreen Code (CCR Title 24, Part 11), is a portion of the California Building Standards Code (CBSC), which became effective with the rest of the CBSC on January 1, 2020. The purpose of the CALGreen Code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices. The provisions of the code apply to the planning, design, operation, construction, use, and occupancy of every newly constructed building or structure throughout California. Requirements of the CALGreen Code include, but are not limited to, the following measures:

- Compliance with relevant regulations related to future installation of Electric Vehicle charging infrastructure in residential and non-residential structures;
- Indoor water use consumption is reduced through the establishment of maximum fixture water use rates;
- Outdoor landscaping must comply with the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), or a local ordinance, whichever is more stringent, to reduce outdoor water use;
- Diversion of 65 percent of construction and demolition waste from landfills;
- Mandatory periodic inspections of energy systems (i.e., heat furnace, air conditioner, mechanical equipment) for nonresidential buildings over 10,000 square feet to ensure that all are working at their maximum capacity according to their design efficiencies;
- Mandatory use of low-pollutant emitting interior finish materials such as paints, carpet, vinyl flooring, and particle board; and

- For some single-family and low-rise residential development developed after January 1, 2020, mandatory on-site solar energy systems capable of producing 100 percent of the electricity demand created by the residence(s). Certain residential developments, including those developments that are subject to substantial shading, rendering the use of on-site solar photovoltaic systems infeasible, are exempted from the foregoing requirement.

Building Energy Efficiency Standards

The 2019 Building Energy Efficiency Standards is a portion of the CBSC, which expands upon energy-efficiency measures from the 2016 Building Energy Efficiency Standards. The 2019 Building Energy Efficiency Standards are in effect for building permit applications submitted after January 1, 2020.

The 2019 standards provide for additional efficiency improvements beyond the current 2016 standards. For residential buildings, compliance with the 2019 standards will use approximately seven percent less energy due to energy efficiency measures compared to homes built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use approximately 53 percent less energy than those under the 2016 standards.¹¹

Cupertino Reach Codes

According to the Bay Area Regional Energy Network (BayREN), local governments may adopt “reach codes,” which are more restrictive local amendments to the Building Energy Efficiency Standards or the CALGreen Code. In December of 2019, the City of Cupertino adopted a reach code, in which Chapter 16.54, Energy Code, of the City’s Municipal Code was replaced with a more stringent version of the Building Energy Efficiency Standards.

Under the City’s reach code, all newly constructed residential and non-residential buildings would be required to be built all-electric, meaning that the buildings would not have natural gas or propane infrastructure installed, and that electricity shall be the sole source of energy for all space heating, water heating, cooking appliances, and clothes drying appliances. ADUs and Junior ADUs, along with non-residential kitchens, are exempt from the all-electric requirement. In addition, the City’s electric vehicle (EV) reach code requires that all new development projects, except for ADUs and Junior ADUs, include EV charging stations. The all-electric reach code and the EV reach code measures were designed to result in the greatest impact on reducing emissions from energy usage in newly constructed buildings in Cupertino.

The project would be required to comply with all applicable provisions if the City’s reach codes. As such, the potential future single-family residences would be required to be all-electric and include EV charging systems. Compliance with the City’s reach code would further ensure that the project and any associated future development would not result in any substantially adverse effects related to energy.

¹¹ California Energy Commission. *Title 24 2019 Building Energy Efficiency Standards FAQ*. November 2018.

Construction Energy Use

Demolition associated with the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and materials delivery truck trips, and operation of off-road construction equipment. In addition, during construction of the potential future residences, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the site where energy supply cannot be met via a hookup to the existing electricity grid. Project construction would not involve the use of natural gas appliances or equipment.

Even during the most intense period of construction, due to the different types of construction activities (e.g., site preparation, grading, building construction), only portions of the project site would be disturbed at a time, with operation of construction equipment occurring at different locations on the project site, rather than a single location. In addition, all construction equipment and operation thereof would be regulated by the CARB In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation is intended to reduce emissions from in-use, off-road, heavy-duty diesel vehicles in California by imposing limits on idling, requiring all vehicles to be reported to CARB, restricting the addition of older vehicles into fleets, and requiring fleets to reduce emissions by retiring, replacing, or repowering older engines, or installing exhaust retrofits. The In-Use Off-Road Diesel Vehicle Regulation would subsequently help to improve fuel efficiency and reduce GHG emissions. Technological innovations and more stringent standards are being researched, such as multi-function equipment, hybrid equipment, or other design changes, which could help to reduce demand on oil and emissions associated with construction.

The CARB has prepared the 2017 Climate Change Scoping Plan Update (2017 Scoping Plan),¹² which builds upon previous efforts to reduce GHG emissions and is designed to continue to shift the California economy away from dependence on fossil fuels. Appendix B of the 2017 Scoping Plan includes examples of local actions (municipal code changes, zoning changes, policy directions, and mitigation measures) that would support the State's climate goals. The examples provided include, but are not limited to, enforcing idling time restrictions for construction vehicles, utilizing existing grid power for electric energy rather than operating temporary gasoline/diesel-powered generators, and increasing use of electric and renewable fuel-powered construction equipment. The In-Use Off-Road Diesel Vehicle Regulation described above, with which the proposed project must comply, would be consistent with the intention of the 2017 Scoping Plan and the recommended actions included in Appendix B of the 2017 Scoping Plan.

Based on the above, the temporary increase in energy use occurring during demolition activities and future construction associated with the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. In addition, the proposed project would be required to comply with all applicable regulations related to energy conservation and fuel efficiency, which would help to reduce the temporary increase in demand.

¹² California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. January 20, 2017.

Operational Energy Use

The proposed project would include demolition and subdivision of the project site. However, as noted throughout this IS/MND, up to three single-family residences could be constructed upon subdivision of the site. Energy use associated with operation of the future residences would be typical of residential developments, requiring electricity for interior and exterior building lighting, heating, ventilation, and air conditioning (HVAC), electronic equipment, machinery, refrigeration, appliances, security systems, and more. Per the City's reach code, the residences would be all-electric, and would not include the provision of any natural gas infrastructure. Maintenance activities during operations, such as landscape maintenance, would involve the use of electric or gas-powered equipment. In addition to on-site energy use, the potential homes would result in transportation energy use associated with vehicle trips generated by future residents.

The proposed project would be subject to all relevant provisions of the most recent update of the CBSC and the City's reach code. Adherence to the most recent CBSC and the City's reach code would ensure that the proposed structures would consume energy efficiently through the incorporation of features such as electric appliances, door and window interlocks, direct digital controls for HVAC systems, and high efficiency outdoor lighting. Required compliance with the CBSC would ensure that the building energy use associated with any potential future residences would not be wasteful, inefficient, or unnecessary. In addition, electricity supplied to future residences by PG&E would comply with the State's Renewable Portfolio Standard (RPS), which requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020 and to 60 percent by 2030. Thus, a portion of the energy consumed during operations would originate from renewable sources. With regard to transportation energy use, the potential homes would comply with all applicable regulations associated with vehicle efficiency and fuel economy.

Conclusion

Based on the context above, construction and operation of the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources or conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Thus, a *less-than-significant* impact would occur.

VII. GEOLOGY AND SOILS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d. Be located on expansive soil, as defined in Table 18-1B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

ai, aii. The City of Cupertino, consistent with much of the San Francisco Bay Area, is vulnerable to seismic activity due to the presence of several active faults in the region. However, according to the California Geological Survey Alquist-Priolo Earthquake Fault Zone Maps, the project site is not located within the vicinity of an Alquist-Priolo Earthquake Fault Zone.¹³

In addition, the project, and any future residential development on the site, would comply with all applicable State and local regulations, including the CBSC. The CBSC provides minimum standards to protect property and public safety by regulating the design and construction of excavations, foundations, building frames, retaining walls, and other building elements to mitigate the effects of seismic shaking and adverse soil conditions. The CBSC contains provisions for earthquake safety based on factors including occupancy type, the types of soil and rock on-site, and the strength of ground shaking with specified

¹³ California Geological Survey. *Earthquake Zones of Required Investigation Cupertino Quadrangle*. September 23, 2002.

probability of occurring at a site. Structures built according to the seismic design provisions of the CBSC should be able to:

- 1) Resist minor earthquakes without damage;
- 2) Resist moderate earthquakes without structural damage but with some nonstructural damage; and
- 3) Resist major earthquakes without collapse but with some structural as well as nonstructural damage.

Although conformance with the CBSC does not guarantee that substantial structural damage would not occur in the event of a maximum magnitude earthquake, conformance with the CBSC can reasonably be assumed to ensure that the proposed structure would be survivable, allowing occupants to safely evacuate in the event of a major earthquake.

Based on the above, the proposed project would not expose people and structures to potential substantial adverse effects involving rupture of a known earthquake fault or strong seismic ground-shaking and a *less-than-significant* impact would occur.

aiii, aiv,

- c. The proposed project's potential effects related to liquefaction, landslides, lateral spreading, and subsidence/settlement are discussed in detail below.

Liquefaction

Liquefaction is a phenomenon in which granular material is transformed from a solid state to a liquefied state as a consequence of increased pore-water pressure and reduced effective stress. Increased pore-water pressure is induced by the tendency of granular materials to densify when subjected to cyclic shear stresses associated with earthquakes. According to the General Plan EIR Figure 4.5-4, the project site is not located in an area with a high liquefaction probability.

Furthermore, the CBSC provides standards to protect property and public safety by regulating the design and construction of excavations, foundations, building frames, retaining walls, and other building elements, which would further reduce the potential for seismic-related ground failure, including liquefaction. Compliance with the aforementioned standards would ensure that the potential for risks related to liquefaction would be less than significant.

Landslides

Seismically-induced landslides are triggered by earthquake ground shaking. The risk of landslide hazard is greatest in areas with steep, unstable slopes. Figure HS-5 in the City's General Plan identifies areas in the City that are potentially at risk for fault rupture, landslides, and liquefaction/inundation. Areas mapped as Liquefaction/Inundation Zones by the City are also generally at risk for lateral spreading hazards.¹⁴ Per Figure HS-5, the

¹⁴ City of Cupertino. *General Plan: Community Vision 2015 – 2040* [pg. E-5]. October 20, 2015.

site is located within a Valley Zone, which is defined as an area with relatively low levels of geologic hazard risk.

Further, the General Plan EIR concludes that compliance with the policies within the General Plan and the Cupertino Municipal Code would reduce any potential impacts related to landslides to a less-than-significant level.

Lateral Spreading

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water; typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope.

The project site is located on relatively flat land, and is not located near any open faces that would be considered susceptible to lateral spreading. Therefore, the potential for lateral spreading to pose a risk to the proposed development is relatively low. Further, the General Plan EIR concludes that impacts related to lateral spreading would be reduced to a less-than-significant level with compliance with the policies set forth in the Cupertino General Plan and Municipal Code.

Subsidence/Settlement

Subsidence is the settlement of soils of very low density generally from either oxidation of organic material, or desiccation and shrinkage, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. Given that the proposed project would comply with the CBSC, the potential for subsidence to pose a risk to the proposed development is relatively low. In addition, the General Plan EIR concludes that impacts related to subsidence/settlement would be reduced to a less-than-significant level with compliance with Municipal Code requirements and all applicable General Plan policies.

Conclusion

Based on the above, the proposed project would not be subject to substantial risks related to liquefaction, landslides, lateral spreading, and subsidence/settlement. If future residences are constructed on-site, compliance with standard construction regulations included in the CBSC would ensure that the homes would not directly or indirectly cause substantial adverse effects, including the risk of loss, injury, or death involving liquefaction, subsidence, or settlement, and would not be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site subsidence, liquefaction, or collapse. Thus, a *less-than-significant* impact would occur.

- b. The proposed project would require excavation and grading of the site, including soil excavation and off-haul associated with on-site soil remediation (see Section VIII for

additional discussion). During such stages of construction, topsoil would be exposed. After grading and prior to overlaying the ground surface with future residences, while topsoil would be exposed, the potential exists for wind and/or water erosion to occur, which could affect the project area and potentially inadvertently transport eroded soils to downstream waterways. However, topsoil exposure would be temporary and would cease once future development of the site with single-family homes occurs.

The City's Municipal Code requires applicants to provide and comply with an Interim Erosion and Sediment Control Plan (Interim Plan). The Interim Plan shall show the location of erosion control measures and erosion control planting shall be shown on the site map/grading plan. The applicant shall provide the following information with respect to conditions existing on the site during land-disturbing or filling activities or stockpiling of soil:

1. A delineation and brief description of the measures to be undertaken to retain sediment on the site, including, but not limited to, the designs and specifications or berms and sediment detention basins, and a schedule for their maintenance and upkeep;
2. A delineation and brief description of the surface runoff and erosion control measures to be implemented, including, but not limited, to types and methods of applying mulches, and designs and specifications for diverters, dikes and drains, and a schedule for their maintenance and upkeep;
3. A delineation and brief description of the vegetative measures to be undertaken, including, but not limited to, seeding methods, and type, location and extent of preexisting and undisturbed vegetation types, and a schedule for maintenance and upkeep.

Because the project would comply with the City's interim erosion control requirements, the project would not result in substantial soil erosion or loss of topsoil. Therefore, a *less-than-significant* impact would occur.

- d. Expansive soils increase in volume when they absorb water and have the potential to crack or otherwise compromise the integrity of building foundations. According to the City's General Plan EIR, the project site is not located in an area of the City known to contain highly expansive soils.¹⁵ Furthermore, the proposed project would be subject to applicable CBSC regulations and provisions, as adopted in Chapter 16.04 of the City's Municipal Code. Therefore, the proposed project would not be located on expansive soil, as defined in Table 18-1B of the Uniform Building Code, and a *less-than-significant* impact would occur.
- e. The proposed project would include demolition of the on-site structures and subdivision of the lot. However, up to three single-family residences could be developed on the site in the future. Any future residences would connect to the existing sewer system and would not require the use of a septic tank or other alternative waste water disposal method. Therefore,

¹⁵ City of Cupertino. *General Plan Amendment, Housing Element Update, and Associated Rezoning Draft EIR* [4.5-18]. June 18, 2014.

no impact would occur related to having soils incapable of adequately supporting the use of septic tanks or alternate wastewater disposal systems.

- f. Paleontological resources or fossils are the remains of prehistoric plant and animal life. As noted in the General Plan EIR, based on a review of the University of California's Museum of Paleontology's fossil locality database conducted for all of Santa Clara County, paleontological resources have not been explicitly identified as being found within the City of Cupertino.¹⁶ Nonetheless, previously unknown paleontological resources or unique geologic resources could potentially exist within the project site, and any ground-disturbing activity associated with implementation of the proposed project could have the potential to disturb or destroy such resources. The project would be subject to the City's standard measures listed in Chapter V, Cultural Resources, of this IS/MND, which, as noted in the General Plan EIR, would ensure that any impacts to paleontological resources and unique geologic features are reduced to less than significant.

Therefore, the proposed project would not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature, and a ***less-than-significant*** impact would occur.

¹⁶ City of Cupertino. *General Plan Amendment, Housing Element Update, and Associated Rezoning Draft EIR* [pg. 4.4-22]. June 18, 2014.

VIII. GREENHOUSE GAS EMISSIONS.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gasses?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. Emissions of greenhouse gases (GHGs) contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on earth. An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHG are inherently considered cumulative impacts.

Implementation of the proposed project would cumulatively contribute to increases of GHG emissions. Estimated GHG emissions attributable to future development would be primarily associated with increases of carbon dioxide (CO₂) and, to a lesser extent, other GHG pollutants, such as methane (CH₄) and nitrous oxide (N₂O) associated with area sources, mobile sources or vehicles, utilities (electricity), water usage, wastewater generation, and the generation of solid waste. The primary source of GHG emissions for the project would be mobile source emissions. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO₂ equivalents (MTCO_{2e}/yr).

A number of regulations currently exist related to GHG emissions, predominantly Assembly Bill (AB 32), Executive Order S-3-05, and Senate Bill (SB 32). AB 32 sets forth a statewide GHG emissions reduction target of 1990 levels by 2020. Executive Order S-3-05 sets forth a transitional reduction target of 2000 levels by 2010, the same target as AB 32 of 1990 levels by 2020, and further builds upon the AB 32 target by requiring a reduction to 80 percent below 1990 levels by 2050. SB 32 also builds upon AB 32 and sets forth a transitional reduction target of 40 percent below 1990 levels by 2030. In order to implement the statewide GHG emissions reduction targets, local jurisdictions are encouraged to prepare and adopt area-specific GHG reduction plans and/or thresholds of significance for GHG emissions.

A discussion of the City's Climate Action Plan (CAP), as well as applicable BAAQMD thresholds related to GHG emissions, is provided below.

Climate Action Plan

As a means of achieving the statewide GHG emissions reduction goals, the City has adopted a CAP. The targets are consistent with statewide goals. In addition, the CAP includes a number of reduction measures intended to be implemented by the City in order to accomplish the reduction goals. The emissions reduction strategies developed by the City follows the BAAQMD's CEQA Guidelines and the corresponding criteria for a Qualified Greenhouse Gas Emissions Reduction Program as defined by the BAAQMD. Because the provisions included in the CAP mirror the elements required per Section 15.183.5 of the CEQA Guidelines, the CAP is consistent with existing State regulations related to GHG emissions, as well as BAAQMD thresholds of significance. It should be noted that a quantitative threshold for GHG emissions for individual development projects has not been established by the City or set forth in the CAP.

The GHG inventory contained in the City's CAP was derived based on the land use designations and associated densities defined in the City's General Plan. Future development of single-family homes on the project site would be consistent with the project site's existing General Plan land use designation, and would not modify the type of use previously anticipated for the site by the City. It should be noted that the potential future residences would result in a slight increase in development intensity relative to existing site uses; however, associated increases in GHG emissions related to such would not be substantial.

A CAP Consistency Checklist prepared for the proposed project and potential future single-family residences has been included as Appendix B to this IS/MND. As noted therein, the project would comply with the majority of measures included in the CAP, including, but not limited to, the incorporation of:

- Advanced meter infrastructure (Measure C-E-1);
- Pedestrian and bicycle infrastructure improvements (Measure C-T-1);
- EV charging infrastructure (Measure C-T-7);
- Water-efficient fixtures (Measure C-W-1);
- Recycling and organic waste diversion (Measure C-SW-1 and C-SW-2); and
- Cool roofing materials (Measure C-G-1);

In addition, as noted in the Energy section of this IS/MND, the project and any future development on-site would be required to comply with the City's reach code standards. Compliance with such standards would ensure that future development is all-electric and, consistent with CAP Measure C-T-7, includes EV charging stations. In addition, the City's reach code was adopted with the intent to support implementation of the goal sets forth within the City's CAP. As such, compliance with the reach code standards would be consistent with the measures included in the CAP.

As such, the proposed project would not conflict with the City's CAP and, therefore, would not conflict with the applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

BAAQMD Thresholds

The proposed project is located within the jurisdictional boundaries of the BAAQMD. The BAAQMD threshold of significance for project-level operational GHG emissions is 1,100 MTCO_{2e}/yr. BAAQMD's approach to developing a threshold of significance for GHG emissions is to identify the emissions level for which a project would not be expected to substantially conflict with existing California legislation adopted to reduce statewide GHG emissions needed to move towards climate stabilization. If a project would generate GHG emissions above the threshold level, the project would be considered to generate significant GHG emissions and conflict with applicable GHG regulations.

The proposed project's estimated construction and operational GHG emissions were quantified using CalEEMod, using the same assumptions as presented in the Air Quality section of this IS/MND. The proposed project's required compliance with the current CBSC was assumed in the modeling. In addition, the CO₂ intensity factor within the model was adjusted to reflect the PG&E's anticipated progress towards statewide RPS goals. All CalEEMod results are included as Appendix A to this IS/MND.

As discussed in Section III, Air Quality, of this IS/MND, the proposed project would include demolition of the on-site structures and subdivision of the site. However, this IS/MND also analyzes the reasonably foreseeable future construction of up to three single-family homes. GHG emissions associated with the demolition of the on-site structures, as well as future construction and operations of the potential future single-family homes are discussed below.

Based on the results of the modeling, the project and the potential future development of up to three single-family homes would result in total construction emissions of approximately 107.04 MTCO_{2e}/yr. While neither the City nor BAAQMD have established GHG emissions thresholds for construction, construction emissions associated with the proposed project would be far below the BAAQMD's adopted operational threshold of 1,100 MTCO_{2e}/yr. Construction-related GHG emissions are a one-time release and are, therefore, not typically expected to generate a significant contribution to global climate change, as global climate change is inherently a cumulative effect that occurs over a long period of time. Furthermore, construction activity associated with the proposed project would occur over a short duration and be limited in scope.

The project's estimated operational emissions are summarized in Table 4 below. As shown in the table, operations of the future single-family residences would result in operational GHG emissions well below the 1,100 MTCO_{2e}/yr threshold. Therefore, the proposed project would not result in operational impacts related to GHG emissions.

Table 4 Project Operational GHG Emissions	
Emission Source	Annual GHG Emissions (MTCO₂e/yr)
Area	0.54
Energy	11.29
Mobile	28.26
Solid Waste	1.90
Water	0.54
TOTAL ANNUAL GHG EMISSIONS	42.54
<i>Source: CalEEMod, April 2018.</i>	

Conclusion

Based on the above, the proposed project would be consistent with the City's adopted CAP. In addition, the estimated annual operational and construction GHG emissions would be below the applicable BAAQMD thresholds of significance. As such, the proposed project would not be considered to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Therefore, impacts would be considered *less than significant*.

IX. HAZARDS AND HAZARDOUS MATERIALS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?	<input type="checkbox"/>	✗	<input type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
g. Expose people or structures, either directly or indirectly, to the risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. Residential land uses are not typically associated with the routine transport, use, disposal, or generation of substantial amounts of hazardous materials. Future residents on the project site may use common household cleaning products, fertilizers, and herbicides on-site, any of which could contain potentially hazardous chemicals; however, such products would be expected to be used in accordance with label instructions. Due to the regulations governing use of such products and the amount that would be used on the site, routine use of such products would not represent a substantial risk to public health or the environment. Therefore, the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, and a *less-than-significant* impact would occur.
- b. The following discussion includes an analysis of hazardous and toxic materials that could be used on the project site during construction activities, as well as existing hazardous materials known to be present on the site.

Construction Equipment

Construction and demolition activities associated with the proposed project would involve the use of heavy equipment, which would contain fuels and oils, and various other products such as concrete, paints, and adhesives. Small quantities of potentially toxic substances (e.g., petroleum and other chemicals used to operate and maintain construction equipment) would be used at the project site and transported to and from the site during construction. However, the project contractor would be required to comply with all California Health and Safety Codes and local City and County ordinances regulating the handling, storage, and transportation of hazardous and toxic materials. Compliance with such regulations would ensure that the proposed project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment during construction activities, particularly associated with construction equipment.

Existing Soil Contamination

A Phase I ESA was prepared for the proposed project by Enviro Assessment, PC in November 2017 (see Appendix C).¹⁷ The Phase I ESA did not reveal evidence of Recognized Environmental Conditions (RECs), Historical RECs (HRECs), or Controlled RECs (CRECs) in connection with the project site, with the exception of the presence of pesticides and metals above screening levels in the on-site soils due to the property's historical use as orchard land and use of organochlorine pesticides (OCPs) for pest control. An update to the original Phase II ESA, which was prepared in August 2014, was prepared by Enviro Assessment, PC in November 2017 to address and compare laboratory results from the original Phase II ESA and to update any site characterization recommendations (see Appendix D).¹⁸ Due to the elapsed time since the Phase I and Phase II ESA were prepared, Enviro Assessment, PC prepared an Update Memo confirming that the results of the Phase I and Phase II ESA remain applicable and valid.¹⁹ As noted therein, there have not been any changes in use or new concerns at the project site, and the conclusions and recommendations from the previous ESAs remain relevant.

As part of the Phase II ESA, and in accordance with Department of Toxic Substances Control (DTSC) guidelines for sampling for agricultural chemicals, 16 discrete soil samples were collected across the entirety of the project site, including the crawlspace of the residence, under concrete, and within two feet of existing structures. The soil samples were analyzed for OCPs (including, but not limited to, chlordane, DDT, dieldrin, and heptachlor) and metals. Concentrations were compared to the applicable Environmental Screening Levels (ESLs), which are the concentrations of contaminants in soils and groundwater established by the Regional Water Quality Control Board (RWQCB) used to determine the relative risks to human health and the environment. Generally, the presence

¹⁷ Enviro Assessment, PC. *Phase I Environmental Site Assessment, Bubb Road Property, 11226 Bubb Road, Cupertino, CA 95014*. November 17, 2017.

¹⁸ Enviro Assessment, PC. *Update to Phase II Environmental Site Assessment, Bubb Road Property, 11226 Bubb Road, Cupertino, CA 95014*. November 17, 2017.

¹⁹ Enviro Assessment, PC. *Update Memo: Update to Environmental Site Assessment Reports: Bubb Road Property 11226 Bubb Road Cupertino, CA 95014 APN(s): 36206036*. April 15, 2020.

of a chemical in soil or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant threat to human health or the environment.

Chlordane and dieldrin were the only OCPs detected above their respective ESLs. Concentrations of chlordane were detected in 11 of the 16 samples, with eight of the samples showing concentrations above the ESL. Concentrations of dieldrin were detected in only two of the 16 samples, with only one of the samples showing concentrations above the ESL. Metals detected in concentrations exceeding the relative ESLs included arsenic, cobalt, and lead. Arsenic was detected in all 16 samples at levels exceeding the ESL. Cobalt was detected in all 16 samples, but only two samples were above the ESL. Lead was detected in all 16 samples, but only one sample was above the ESL. Although arsenic was detected in all samples at concentrations exceeding the ESL, the concentrations are within the range of naturally-occurring background concentrations typical for California soils, with the exception of one sample.

Based on the above, construction workers and/or future occupants could be exposed to existing soil contaminants. Therefore, the proposed project could create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment, particularly related to existing soil contamination at the site.

Asbestos-Containing Materials and Lead-Based Paint

Asbestos is the name for a group of naturally occurring silicate minerals that are considered to be “fibrous” and, through processing, can be separated into smaller and smaller fibers. The fibers are strong, durable, chemical resistant, and resistant to heat and fire. They are also long, thin, and flexible, such that they can be woven into cloth. Because of the above qualities, asbestos was considered an ideal product and has been used in thousands of consumer, industrial, maritime, automotive, scientific, and building products. However, later discoveries found that, when inhaled, the material caused serious illness.

For buildings constructed prior to 1980, the Code of Federal Regulations (29 CFR 1926.1101) states that all thermal system insulation (boiler insulation, pipe lagging, and related materials) and surface materials must be designated as “presumed asbestos-containing material” unless proven otherwise through sampling in accordance with the standards of the Asbestos Hazard Emergency Response Act. Because the existing residence was built prior to 1980, the potential exists that asbestos-containing materials were used in the construction of the on-site residence.

Lead-based paint (LBP) is defined by federal guidelines as any paint, varnish, stain, or other applied coating that has one milligram of lead per square centimeter or greater. Lead is a highly toxic material that may cause a range of serious illnesses, and in some cases death. In buildings constructed after 1978, the presence of LBP is unlikely. Structures built prior to 1978, and especially prior to the 1960s, are expected to contain LBP. As previously mentioned, the existing residence on the property was constructed in 1955. Therefore, the potential exists that LBPs are present in the on-site residence.

Based on the age of the existing on-site residence, asbestos-containing materials and LBP are presumed to be present. Thus, without implementation of the appropriate safety measures, the proposed project could potentially expose construction workers during demolition activities to LBP and asbestos-containing materials.

The City of Cupertino Building Division requires asbestos and LBP testing as a standard condition of approval. Compliance with the City's standard conditions of approval would ensure that appropriate safety measures associated with asbestos and LBP are implemented, and demolition of the on-site structures would not expose construction workers to hazardous materials, such as LBP or asbestos-containing materials.

Conclusion

Based on the above, development of the proposed project could create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment, particularly associated with contaminated soils. Therefore, a ***potentially significant*** impact would occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above impact to a *less-than-significant* level.

VIII-1. Prior to issuance of any grading permits, the following measures shall be reflected on the project grading and foundation plans, subject to review and approval by the Santa Clara County Environmental Health Department:

- Soil adjacent (within three feet) to the foundation along the front of the house shall be removed to a depth of one foot and off-hauled by a licensed hazardous waste contractor (Class A) and contractor personnel that have completed 40-hour OSHA hazardous training. The soil shall be disposed of appropriately in accordance with applicable federal, State, and local regulations associated with hazardous waste.*
- After demolition of the existing residence, the soil within the foundation shall be removed to a depth of one foot and off-hauled by a licensed hazardous waste contractor (Class A) and contractor personnel that have completed 40-hour OSHA hazardous training. The soil shall be disposed of appropriately in accordance with applicable federal, State, and local regulations associated with hazardous waste.*

The project applicant shall provide proof of implementation of the above measures to the Planning Department and the Santa Clara County Environmental Health Department.

- c. Regnart Elementary School is located within one-quarter mile southeast of the project site. As discussed above, potential future development and operation of the project site with residential uses would not include any activities that would involve the routine transport, use, disposal, or generation of substantial amounts of hazardous materials. As such, future operations on the project site would not emit any hazardous emissions, substances, or waste. However, as discussed above, based on the age of the existing on-site residence, the potential exists to encounter asbestos-containing materials and LBP. If the on-site structures are found to contain asbestos-containing materials and LBP, the standard conditions of approval required by the City of Cupertino's Building Division would require the construction contractor to handle and dispose of the potentially hazardous materials in accordance with all applicable federal, State, and local regulations, which would ensure that construction workers and the surrounding community, including the nearby school, would not be exposed to asbestos-containing materials and LBPs during demolition activities.

As also discussed above, the potential exists to encounter contaminated soil during construction and ground-disturbing activities. Mitigation Measure VIII-1 would ensure that all contaminated soil on the site would be properly removed, handled, and disposed, which would ensure that any effects associated with an accidental release of materials would be minimized and remediated appropriately. Furthermore, dust control methods such as watering exposed soils, covering them during and after excavation, and air monitoring around the perimeter of the affected location are standard procedures that would likely be used. Other methods that could be used to reduce exposure of the surrounding community, including students at the nearby school, to potential hazards associated with contaminated soil removal activities could include placing impervious covers over the soils and backfilling the excavated soil with clean fill. In addition, worker and public health and safety requirements mandated by State laws and regulations would apply during contaminated soil removal activities, thereby minimizing the potential for the above-mentioned exposures to occur. As a result, the proposed project would not emit hazardous emissions, substances, or waste within one-quarter mile of an existing or proposed school, and a *less-than-significant* impact would occur.

- d. The proposed project would not be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.²⁰ Therefore, the project would not create a significant hazard to the public or the environment related to such, and *no impact* would occur.
- e. The nearest airport to the project site is the San Jose International Airport, located approximately 7.5 miles northeast of the site. As such, the project site is not located within two miles of any public airports and does not fall within an airport land use plan area. Therefore, *no impact* related to a safety hazard for people residing or working in the project area would occur related to such.

²⁰ California Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm. Accessed March 2018.

- f. The City of Cupertino Office of Emergency Services is responsible for coordinating agency response to disasters or other large-scale emergencies in the City of Cupertino, with assistance from the Santa Clara County Office of Emergency Services and the Santa Clara County Fire Department (SCCFD). The Cupertino Emergency Operations Plan establishes policy direction for emergency planning, mitigation, response, and recovery activities within the City.²¹

Implementation of the proposed project would include widening of Krzich Place along the project frontage; however, such modifications would not physically interfere with the Emergency Operations Plan, particularly with identified emergency routes. Furthermore, the proposed project would not include land uses or operations that could impair implementation of the plan. Therefore, the proposed project would not interfere with an emergency evacuation or response plan, and a ***less-than-significant*** impact would occur.

- g. According to the California Department of Forestry and Fire Protection (CAL FIRE) Fire and Resource Assessment Program, the project site is not located within a Very High Fire Hazard Severity Zone.²² In addition, the site is currently developed, surrounded by existing development, and is not located adjacent to wildlands. Therefore, the proposed project would not expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands, and a ***less-than-significant*** impact would occur.

²¹ City of Cupertino. *Emergency Operations Plan*. September 2005.

²² California Department of Forestry and Fire Protection. *Santa Clara County, Very High Fire Hazard Severity Zones in LRA*. October 8, 2008.

X. HYDROLOGY AND WATER QUALITY. <i>Would the project:</i>		Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a.	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b.	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c.	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
	i. Result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
	ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
	iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
	iv. Impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
d.	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
e.	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. The following section describes the project's consistency with applicable water quality standards and waste discharge requirements during construction and operation.

Construction

The project site is currently developed with a residential use. As such, the site contains a substantial amount of impervious areas. Nonetheless, during the early stages of future construction activities, topsoil would be exposed due to grading of the site. After grading and prior to overlaying the ground surface with impervious surfaces and structures, the potential exists for wind and water erosion to discharge sediment and/or urban pollutants into stormwater runoff, which could adversely affect water quality downstream.

The State Water Resources Control Board (SWRCB) regulates stormwater discharges associated with construction activities where clearing, grading, or excavation results in a land disturbance of one or more acres. The project site is 32,316 square feet (0.74-acre) and, thus, construction activities would not be regulated by the SWRCB. However, the City's Municipal Code requires applicants to provide and comply with an Interim Erosion

and Sediment Control Plan (Interim Plan). The Interim Plan shall show the location of erosion control measures and erosion control planting shall be shown on the site map/grading plan. The applicant shall provide the following information with respect to conditions existing on the site during land-disturbing or filling activities or stockpiling of soil:

1. A delineation and brief description of the measures to be undertaken to retain sediment on the site, including, but not limited to, the designs and specifications or berms and sediment detention basins, and a schedule for their maintenance and upkeep;
2. A delineation and brief description of the surface runoff and erosion control measures to be implemented, including, but not limited, to types and methods of applying mulches, and designs and specifications for diverters, dikes and drains, and a schedule for their maintenance and upkeep;
3. A delineation and brief description of the vegetative measures to be undertaken, including, but not limited to, seeding methods, and type, location and extent of preexisting and undisturbed vegetation types, and a schedule for maintenance and upkeep.

Because the project would comply with the City's interim erosion control requirements, the project would not violate any water quality standards or waste discharge requirements, or otherwise degrade water quality, during construction.

Operation

The potential future residential use of the project site would not involve operations typically associated with the generation or discharge of polluted water. Thus, typical operations on the project site would not violate any water quality standards or waste discharge requirements, nor degrade water quality. However, the potential for urban runoff would be increased with the addition of impervious surfaces on the site, which could contain pollutants if the runoff comes into contact with vehicle fluids on parking surfaces and/or landscape fertilizers and herbicides prior to reaching downstream waters.

The City of Cupertino has adopted the County C.3 Stormwater Standards, which require new development and redevelopment projects that create or alter 10,000 sf or more of impervious area to contain and treat all stormwater runoff from the project site. The proposed project would create and/or replace a total of 15,007 sf of impervious surfaces. Thus, the project would be subject to the requirements of the C.3 Stormwater Standards related to stormwater treatment, which are included in the City's NPDES General Permit. The C.3 Stormwater Standards require incorporation of site design measures, source control measures, stormwater treatment measures, and hydromodification management measures, if applicable.

A preliminary Stormwater Control Plan has been prepared for the proposed project (see Figure 5). As shown in the Stormwater Control Plan, the proposed project would involve four drainage management areas (DMAs), including one on each proposed lot and one

associated with the roadway dedication area. Runoff from the DMA on each lot would be directed towards an associated bioretention basin. Per the C.3 Stormwater Handbook, DMA 4, which consists of the roadway dedication, would be exempt from the C.3 Standards.

The bioretention basins and pervious areas (i.e., landscaped areas) would treat stormwater primarily by filtering runoff slowly through an active layer of soil, naturally allowing for removal of pollutants. Runoff from future rooftops would be directed towards the on-site landscaped areas and grassy swales to maximize infiltration and minimize pollutants before draining to the bioretention basins. It should be noted that per Section 9.18.210 of the Municipal Code, the City prohibits the use of copper metal roofing and copper architectural materials.

Per the Stormwater Control Plan prepared for the proposed project, each of the bioretention basins would be sized to exceed the minimum volume requirement necessary to adequately handle all runoff from the proposed impervious surfaces and landscaping within each DMA. Thus, the proposed project would comply with the requirements of the SWRCB and the RWQCB, and would meet or exceed C.3 Standards related to stormwater treatment. During operation, the project would comply with all relevant water quality standards and waste discharge requirements, and would not degrade water quality.

Conclusion

Based on the above, the project would comply with all applicable water quality and waste discharge regulations during construction and operation, and would not involve uses associated with the generation or discharge of polluted water. Therefore, a ***less-than-significant*** impact would occur related to a violation of water quality standards or waste discharge requirements or degradation of water quality.

- b,e. Water supplied to the City of Cupertino is provided by the Santa Clara Valley Water District through groundwater, local surface water, imported surface water from the State Water Project and Central Valley Project, recycled and purified water, and transfers.²³

As discussed previously, the project site is currently developed with an existing single-family residence. Potential future residential development on the site would not substantially increase demand for water supplies associated with the site, including groundwater, and the proposed on-site drainage system would allow for stormwater to percolate into the underlying soils, contributing to the recharge of groundwater. Future residential development on-site would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge.

Given that potential future buildout of the site with single-family residences would be consistent with the site's current General Plan land use and zoning designations, such development would not result in increased use of groundwater supplies beyond what has been anticipated for the site by the City and accounted for in the Santa Clara Valley Water

²³ Santa Clara Valley Water District. *Urban Water Management Plan*. 2015.

District's 2015 Urban Water Management Plan (UWMP). Per the UWMP, water supplies and reserves are projected to meet expected demand for normal-year and single dry-year scenarios through 2035. The Santa Clara Valley Water District anticipates facing water shortage in multiple dry-year scenarios. However, a Water Shortage Contingency Plan is in place, and a potential water supply shortage would not be a result of the proposed project.²⁴

Therefore, the proposed project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the Santa Clara Valley Groundwater Basin and Gilroy-Hollister Valley Groundwater Basin. In addition, the project would not conflict with or obstruct implementation of a water quality control plan, including the 2015 UWMP and the Santa Clara Valley Water District Groundwater Management Plan. Thus, a *less-than-significant* impact would occur.

- c.i-iii. The project site is currently developed with an existing residence and other impervious surfaces such as a driveway, patio, porch and shed. As such, potential future development of the site with single-family residences would result in a substantial increase in impervious surfaces or runoff from what currently exists on-site. In addition, as discussed above, the project would include a drainage system that would manage all on-site runoff without directly connecting to the City's existing stormwater drainage system. Runoff entering the perforated drainage pipes and the bubbler drain system would be able to infiltrate the soil and erosion, siltation, and/or flooding would not occur.

In conclusion, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner which would result in erosion, siltation, or flooding on- or off-site, or create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Consequently, the proposed project would result in a *less-than-significant* impact related to such.

- c.iv. According to the City's General Plan,²⁵ as well as the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Number 06085C0209H,²⁶ the project site is located in Zone X, which is an area of minimal flood hazard, outside of the 100-year floodplain. The site is not classified as a Special Flood Hazard Area or otherwise located within a 100-year or 500-year floodplain. Therefore, development of the proposed project would not impede or redirect flood flows and *no impact* would result.
- d. As discussed under question 'c.iv' above, the project site is not located within a flood hazard zone. Thus, the proposed project would not be subject to substantial flooding risks. Tsunamis are defined as sea waves created by undersea fault movement, whereas a seiche is a long-wavelength, large-scale wave action set up in a closed body of water such as a

²⁴ Santa Clara Valley Water District. *Urban Water Management Plan*. 2015.

²⁵ City of Cupertino. *General Plan: Community Vision 2015 – 2040* [pg. E-5]. Adopted October 20, 2015.

²⁶ Federal Emergency Management Agency. *FEMA's National Flood Hazard Layer (Official)*, Panel #06085C0209H. Available at: <https://msc.fema.gov/portal/search?AddressQuery=cupertino#searchresultsanchor>. Accessed March 2018.

lake or reservoir. Tsunamis typically affect coastlines and areas up to one-quarter mile inland. The project area is located over 20 miles from the Pacific Ocean. Due to the project's distance from the coast, the project site would not be exposed to flooding risks associated with tsunamis. Seiches do not pose a risk to the proposed project, as the project site is not located in close proximity to any large closed bodies of water. Therefore, the proposed project would not pose a risk related to the release of pollutants due to project inundation due to flooding, tsunami, or seiche, and ***no impact*** would occur.

XI. LAND USE AND PLANNING.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. A project risks dividing an established community if the project would introduce infrastructure or alter land use so as to change the land use conditions in the surrounding community, or isolate an existing land use. The project site currently contains a single-family residence. Given that the proposed project would allow for future redevelopment of the site with three new single-family residences, the proposed project would not alter the land use of the site. Accordingly, the proposed project would not change the land use conditions in the area or isolate an existing land use. In addition, the project would be consistent with the site's existing zoning and General Plan land use designations. As such, the proposed project would not physically divide an established community and a ***less-than-significant*** impact would occur.
- b. The City of Cupertino General Plan designates the site as Low Density (1-5 DU/Ac.), and the site is currently zoned Single-Family Residential (R1-7.5). The proposed project would include division of the site into two 9,746 square-foot lots and one 11,915 square-foot lot, with the dedication of approximately 943 square-feet of land to the City to allow for the widening of the Krzich Place right-of-way along the project frontage. The three new lots would maintain the existing zoning and General Plan land use designations for the site, and would be consistent with Sections 19.28.050 and 19.28.060 of the City's Municipal Code relating to zoning districts and site development regulations.

As discussed throughout this IS/MND, the proposed project would not result in any significant environmental effects that cannot be mitigated to a less-than-significant level by the mitigation measures provided herein. In addition, the proposed project would not conflict with City policies or regulations adopted for the purpose of avoiding or mitigating an environmental effect. For example, the proposed project would comply with all relevant City policies and guidelines, including, but not limited to, the standards set forth in Chapter 10.48, Community Noise Control, and Chapter 9.18, Stormwater Pollution Prevention and Watershed Protection, of the City's Municipal Code.

Based on the above, the project would not conflict with any applicable land use plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect, and a ***less-than-significant*** impact would occur.

XII. MINERAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗

Discussion

- a,b. The project site is located in a developed area and is currently developed with residential use. According to the City's General Plan, the project site is located in an area which is unsuitable for mineral extraction.²⁷ The proposed project would include subdivision of the project site, with the intention of future redevelopment of the site with three new single-family residences. Therefore, ***no impact*** to mineral resources would occur as a result of the proposed project.

²⁷ City of Cupertino. *General Plan: Community Vision 2015 – 2040* [pg. ES-10]. Adopted October 20, 2015.

XIII. NOISE.

Would the project result in:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. The existing noise environment of the site is currently defined by traffic noise on Krzich Place and Bubb Road. Such traffic is primarily generated by the surrounding residences in the project vicinity, as well as the occupied single-family residence currently located on the project site. The proposed project would include demolition of the existing on-site structures and subdivision of the project site, which may lead to potential future redevelopment of the site with up to three single-family residences. The project could be considered to result in a potentially significant impact if the net increase in traffic generated by the proposed project would cause an exceedance of noise levels established in the City's Municipal Code or an increase in the ambient noise levels in the project vicinity.

Construction Noise

During demolition of the existing on-site structures and widening of the Krzich Place right-of-way, as well as during potential future construction of residences on the site, noise from such activities would temporarily add to the noise environment in the project vicinity. Noise would also be generated during the construction phase by truck traffic associated with transport of heavy materials and equipment to and from the project site. However, per Section 10.48.053 of the City's Municipal Code, grading, construction, and demolition activities are permitted to exceed the City's established noise limits during daytime hours provided that any piece of equipment involved in such activities has high-quality noise mufflers and abatement devices installed, is in good condition, and the activities meet certain established criteria. Compliance with the Municipal Code requirements would be verified as part of the City's standard conditions of approval.

Furthermore, noise associated with construction activities would be temporary, would occur intermittently throughout development of the project site, and would occur on a relatively small scale. Thus, while demolition and construction activities associated with the project could result in temporary increases in noise levels at nearby noise-sensitive

receptors, such increases would not be substantial, would be minimized through compliance with the City's Municipal Code, and would be typical of residential construction activities.

Operational Noise

Residences are not typically associated with the generation of substantial noise. In addition, future development of the site would involve an increase of only two residences compared to existing conditions, which would not be considered a substantial increase in potential noise sources. Thus, future development on the project site would not result in a significant increase in ambient noise levels.

As discussed in the Transportation and Circulation section of this IS/MND, operations associated with future single-family residences on the project site would be anticipated to generate a total of 29 ADT. A total of 29 new vehicle trips spread over a 24-hour period would not result in a substantial permanent increase in ambient noise levels in the project vicinity above existing noise levels. Furthermore, approximately one third of the trips that would be generated by future residents would replace trips currently generated by the occupied single-family residence on the project site. Therefore, given that the proposed project, or future redevelopment of the site with residential uses, would not substantially increase the number of vehicle trips associated with the project site, the project and future development of residential uses on the site would not result in the exposure of persons to or generation of noise levels in excess of standards established in City of Cupertino Municipal Code, or substantially increase ambient noise levels in the project vicinity above levels existing without the project.

Conclusion

Based on the above, construction and operation of the proposed project would not result in the generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the City's General Plan and the Municipal Code. Thus, a *less-than-significant* impact would occur.

- b. Heavy-duty construction equipment would be used during demolition of the on-site structures and future potential construction of single-family residences on the site (e.g., tractors, pavers, bulldozers). Such equipment has the potential to generate groundborne vibration. Levels of vibration include imperceptible vibrations at low levels, low rumbling and minor vibration at moderate levels, and structural or architectural damage at high levels. For structural damage, the California Department of Transportation (Caltrans) uses a vibration limit of 0.5 inches per second, peak particle velocity (in/sec, PPV) for buildings structurally sound and designed to modern engineering standards, and 0.2 in/sec PPV for buildings that are found to be structurally sound but where structural damage is a major concern. The threshold of 0.2 in/sec PPV is also used by Caltrans as the threshold for human annoyance caused by vibration. Although all surrounding structures are assumed to be structurally sound, the 0.2 in/sec PPV threshold offers a conservative value with regard

to structural damage and is used as the threshold of significance for the analysis within this IS/MND.

The primary vibration-generating activities associated with the project would occur during demolition of the existing on-site structures, construction of up to three single-family residences, and widening of the Krzich Place right-of-way. Table 5 below presents typical vibration levels that could be expected from construction equipment at a distance of 25 feet.

Table 5 Vibration Source Levels for Construction Equipment	
Equipment	PPV at 25 ft (in/sec)
Large Bulldozer	0.089
Caisson drilling	0.089
Loaded trucks	0.076
Jackhammer	0.035
Small bulldozer	0.003
<i>Source: Caltrans, Transportation and Construction Vibration Guidance Manual, September 2013.</i>	

The most significant source of ground-borne vibrations during construction would be the use of large bulldozers, which, as shown above, would generate vibrations of approximately 0.089 in/sec PPV at a distance of 25 feet.²⁸ The nearest buildings relative to the project site are the existing single-family residences located to the north, east, and west of the site. The nearest residence is situated approximately 12 feet at the closest point from the nearest proposed construction areas. Using the maximum vibration level anticipated during construction of 0.089 in/sec PPV at 25 feet and adjusting for a distance of 12 feet,²⁹ the maximum vibration levels anticipated at the nearest residence would be approximately 0.19 in/sec PPV during construction activities associated with the project, which would be below the applicable 0.2 in/sec PPV threshold. In addition, only portions of the site would be disturbed at a time, with operation of construction equipment occurring intermittently throughout the course of a day. Thus, construction equipment on-site would not operate at a distance of 12 feet to the nearest residence continuously throughout the entire construction period or for an extended amount of time. As such, groundborne vibrations associated with development on the project site would not damage any existing buildings. Additionally, construction activities would be temporary in nature and would be limited to normal daytime working hours in accordance with Section 10.48.053 of the City's Municipal Code. Therefore, a ***less-than-significant*** impact would occur related to exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels.

- c. The project site is located approximately 7.5 miles southwest of the nearest airport, which is the San Jose International Airport. Given the distance between the airport and the project site, noise levels resulting from aircraft traffic at the nearest airport would be negligible at the project site. Therefore, a ***less-than-significant*** impact would occur.

²⁸ California Department of Transportation. *Transportation and Construction Vibration, Guidance Manual*. September 2013.

²⁹ California Department of Transportation. *Transportation and Construction Vibration, Guidance Manual* [Equation 12, pg. 37]. September 2013.

XIV. POPULATION AND HOUSING.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. The proposed project would involve subdivision of the project site and allow for future development of three new single-family homes. The increase of two homes from existing conditions would not result in a substantial increase in population and, thus, the project would not be considered to induce substantial population growth through the construction of new homes. In addition, the project would be consistent with the existing zoning and General Plan land use designations for the site. Therefore, population growth associated with buildout of the site would not be considered unplanned population growth and was previously anticipated for buildout of the site under the General Plan. Consequently, a ***less-than-significant*** impact would occur with regard to the project inducing substantial population growth.

- b. The project site currently contains a single-family residence. The existing on-site structure would be demolished as part of the project. The proposed subdivision of the site would allow for future redevelopment of the site with up to three new single-family residences. The demolition of one single-family residence would not result in displacement of a substantial number of housing or people and would not necessitate the construction of replacement housing elsewhere. In addition, given that future redevelopment of the site with up to three single-family residences could occur, the future residences would provide housing sufficient to replace the existing residence. . Therefore, a ***less-than-significant*** impact would occur.

XV. PUBLIC SERVICES.

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	✖	<input type="checkbox"/>
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	✖	<input type="checkbox"/>
c. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	✖	<input type="checkbox"/>
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	✖	<input type="checkbox"/>
e. Other Public Facilities?	<input type="checkbox"/>	<input type="checkbox"/>	✖	<input type="checkbox"/>

Discussion

- a. Fire protection services to the project area are provided by the Santa Clara County Fire Department (SCCFD), which serves Santa Clara County and the communities of Campbell, Cupertino, Los Altos, Los Altos Hills, Los Gatos, Monte Sereno, and Saratoga. The SCCFD operates 17 fire stations; the Seven Springs Fire Station, located at 21000 Seven Springs Parkway, currently serves the project site. The SCCFD would continue to provide service following construction activities associated with the proposed project. Given that the proposed project and potential future development of the site with up to three single-family residences would be consistent with the existing land uses on the site and the General Plan land use designation for the site, provision of fire protection services to the project site has been previously anticipated by the City. In addition, demand for fire protection services would not substantially increase, as the site is currently developed with a residential use.

Per Section 16.40.060 of the City's Municipal Code, the proposed project would be required to pay applicable fire protection fees to the SCCFD. In addition, any future residential buildings would be constructed in accordance with the fire protection requirements of the 2019 California Fire Code, which contain provisions to minimize fire hazard risks. Therefore, the proposed project would have a ***less-than-significant*** impact related to the need for new or physically altered fire protection facilities, the construction of which could cause significant environmental impacts.

- b. The City of Cupertino contracts with the Santa Clara County Sheriff's Office (Sheriff's Office) and the West Valley Patrol Division for police protection services. The West Valley Patrol Division is headquartered at the Westside Sheriff's Substation at 1601 South De Anza Boulevard in Cupertino. Given that the project site is already developed with a residential use and provided with police protection services, and the project and possible future development would be consistent with the City's General Plan land use designation, the project would not substantially increase the demand for police protection services at the site from what currently occurs or what has been anticipated by the City for the site. Therefore, the proposed project would have a ***less-than-significant*** impact related to the

need for new or physically altered police protection facilities, the construction of which could cause significant environmental impacts.

- c. Public schools in the City of Cupertino are managed by the Cupertino Union School District (CUSD) and the Fremont Union High School District (FUHSD). The proposed project would be required to pay the school impact fees specified in the City's General Plan.³⁰ As noted in the General Plan, in accordance with Senate Bill 50, school impact mitigation fees are presumed to fully mitigate any school impacts associated with development. Because the project applicant would be required to pay the applicable school impact fees, the proposed project would result in a ***less-than-significant*** impact regarding an increase in demand for schools.
- d,e. The City of Cupertino assesses park maintenance fees for new residential development based on the density of the proposed development. Given that the proposed project could allow for future construction of up to three single-family residences on the project site, any future development would be required to comply with all applicable provisions set forth within Chapter 13.08, Park Land Dedication Fee, Chapter 14.05, Park Maintenance Fee, and Chapter 18.16, Subdivision Maps, of the City's Municipal Code, including payment of fees. The final amount of applicable fees would be determined by the Director of Public Works and would help fund improvements to and expansion of park facilities within the City. Therefore, the proposed project would have a ***less-than-significant*** impact related to the need for new or physically altered parks or other public facilities, the construction of which could cause significant environmental impacts.

³⁰ City of Cupertino. *General Plan: Community Vision 2015 – 2040* [pg. B-83]. Adopted October 20, 2015.

XVI. RECREATION.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. The proposed project would include the subdivision of the project site into three single-family lots. The subdivision would allow for future construction of up to three new single-family homes. Residents of the future development would likely use existing neighborhood, regional, parks and/or other recreational facilities. However, given that the project site is currently developed with a residential use, the proposed project would not be anticipated to substantially increase the demand for parks or other recreational facilities associated with the site. In addition, development of the site with residential uses has been previously anticipated in the City's General Plan. As discussed in Section XIV, Public Services, above, the project applicant would be required to comply with the requirements set forth within Chapter 13.08, Park Land Dedication Fee, Chapter 14.05, Park Maintenance Fee, and Chapter 18.16, Subdivision Maps, of the City's Municipal Code, including payment of applicable fees.

Therefore, the proposed project would not be expected to result in substantial physical deterioration of any existing neighborhood or regional parks or other recreational facilities, and would not require the construction or expansion of facilities which might have an adverse physical effect on the environment. Thus, a ***less-than-significant*** impact would occur.

XVII. TRANSPORTATION AND CIRCULATION.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less- Than- Significant Impact	No Impact
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✗
d. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. As noted throughout this IS/MND, the proposed subdivision would allow for the potential future construction of up to three new single-family homes. While development plans for on-site homes do not exist at this time, this IS/MND analyzes environmental impacts associated with the possible future development of up to three residences to provide a worst-case analysis.

The Institute of Traffic Engineer's (ITE) *Trip Generation Handbook* was used to estimate weekday AM, PM, and daily trip generation forecasts for the potential future redevelopment of the site with up to three residences.³¹ As shown in Table 6 below, the future residences would be expected to result in a total of 29 average daily trips (ADT), with two trips occurring during the AM peak hour and three trips occurring during the PM peak hour. Considering the existing on-site home generates daily vehicles trips as well, redevelopment of the site with three residences would result in a net change of 19 additional ADT, with one additional trip during the AM peak hour and two additional trips during the PM peak hour.

Table 6 Weekday Project Trip Generation Rates and Estimates							
Scenario	Units	Rate	Daily Trips	AM Peak Hour		PM Peak Hour	
				Rate	Total	Rate	Total
Existing Land Use	1	9.52	10	0.75	1	1.00	1
Proposed Project	3	9.52	29	0.75	2	1.00	3
<i>Net Change</i>	<i>+2</i>	<i>--</i>	<i>+19</i>	<i>--</i>	<i>+1</i>	<i>--</i>	<i>+2</i>
<i>Note: Rounding may result in minor discrepancies between trip generation rate and number of trips.</i>							
<i>Source: Institute of Transportation Engineers, 2012.</i>							

According to the Santa Clara VTA, projects anticipated to generate fewer than 100 peak hour trips are not subject to review by the VTA.³² Because the project would generate fewer

³¹ Institute of Transportation Engineers. *Trip Generation Handbook*, 10th Edition. September 2012.

³² Santa Clara Valley Transportation Authority. *2013 Congestion Management Program* [pg. 12]. October 2013.

than 100 peak hour trips, preparation of a traffic impact study for the proposed project and potential homes is not required and the project is not subject to review by the VTA.

Because the project and future single-family residences would result in less than 100 peak hour trips, and traffic associated with buildout of the site has been previously analyzed in the General Plan EIR, the project would not be expected to adversely impact nearby intersections or roadways. In addition, the project applicant would be required to pay applicable transportation impact fees, which are intended to fund roadway infrastructure improvements and mitigate traffic impacts from development projects. Therefore, the proposed project would not conflict with an applicable program, plan, ordinance, or policy addressing the roadway system.

Bike lanes and sidewalks are present on Bubb Road, and bicycle travel in the project vicinity remains a viable transportation option. In addition, the project would include the installation of protected bicycle lanes along McClellan Road, which would further encourage the use of alternative transportation. Sidewalks would be installed along the project frontages, including a new detached sidewalk along Bubb Road, as part of the project. The nearest transit stop relative to the project site is located at the intersection of Stelling Road and McClellan Road, approximately 1.2 miles northeast of the project site. Thus, residents of any future single-family homes on the site would be provided with reasonable access to the City's public transportation system.

The City of Cupertino has adopted the 2018 Pedestrian Transportation Plan and the 2016 Bicycle Transportation Plan.^{33,34} The plans set forth standards for future development of pedestrian and bicycle infrastructure, and include descriptions of planned street improvements. Per Figure 3-7, Bikeway Projects, of the 2016 Bicycle Transportation Plan, Class II bike lanes currently exist along Bubb Road, and the project would not interfere with any planned improvements. Figure 45, Priority Projects, of the 2018 Pedestrian Transportation Plan depicts high priority pedestrian infrastructure improvements. A planned sidewalk segment is located near the project site, along Bubb Road and north of Krzich Place. Considering the project would include installation of a new detached sidewalk along Bubb Road, the project would contribute towards implementation of the infrastructure improvements planned within the 2018 Pedestrian Transportation Plan.

Based on the above, a *less-than-significant* impact would occur related to conflicting with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

- b. Section 15064.3 of the CEQA Guidelines provides specific considerations for evaluating a project's transportation impacts. Pursuant to Section 15064.3 of the CEQA Guidelines, analysis of VMT attributable to a project is the most appropriate measure of transportation impacts. Other relevant considerations may include the effects of the project on transit and non-motorized travel.

³³ City of Cupertino. *Pedestrian Transportation Plan*. February 2018.

³⁴ City of Cupertino. *2016 Bicycle Transportation Plan*. June 2016.

Pursuant to Section 15064.3(3) of the CEQA Guidelines, a lead agency may analyze a project's VMT qualitatively based on the availability of transit, proximity to destinations, etc. While changes to driving conditions that increase intersection delay are an important consideration for traffic operations and management, the method of analysis does not fully describe environmental effects associated with fuel consumption, emissions, and public health. Section 15064.3(3) changes the focus of transportation impact analysis in CEQA from measuring impact to drivers to measuring the impact of driving.

Future development of the site with up to three single-family residences would increase VMT due to normal vehicle usage associated with residential land uses. As noted above, bike lanes and sidewalks are available on Bubb Road, and a protected bike lane would be implemented along McClellan Road as part of the proposed project. As such, pedestrian and bicycle infrastructure are available in the project vicinity. The nearest transit stop is over one mile from the project site and, thus, public transit infrastructure accessibility is limited. However, considering the small project size and minimal daily vehicle trips, regional VMT is not anticipated to substantially increase due to implementation of the proposed project.

Pursuant to the Office of Planning and Research's Technical Advisory for SB 743, projects that generate fewer than 110 daily trips generally may be assumed to cause a less-than-significant impact related to VMT. Considering the development of up to three single-family residences that may occur following implementation of the project would generate a total of 29 ADT, the proposed project would result in a *less-than-significant* impact related to VMT and would not conflict or be inconsistent with CEQA Guidelines Section 15064.3(b).

- c,d. The proposed project would not include design features that would affect traffic safety, nor involve any incompatible uses. The project would include widening of the Krzich Place right-of-way by approximately five feet (an approximately 943-sf area) along the project frontage, which would be dedicated to the City. Each of the future single-family residences would include paved driveways, which would connect to the adjacent roadways. Thus, adequate emergency access would be provided to the site.

The potential future residential uses would be considered consistent and compatible with the existing residential development in the surrounding area. As such, implementation of the proposed project would not substantially increase hazards due to design features. In addition, emergency vehicles would have reasonable access to the future residences from the existing roadways and project frontage. Based on the above, the project would not substantially increase hazards due to design features or incompatible uses, and emergency access to the site would be adequate. Therefore, the project would result in a *less-than-significant* impact.

XVIII. TRIBAL CULTURAL RESOURCES.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is:

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k).	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a,b. As discussed in Section V, Cultural Resources, of this IS/MND, the existing on-site residence is not listed or eligible for listing in the CRHR, NRHP, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), and the project site does not contain known resources that could be considered historic pursuant to the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. Furthermore, the potential for unrecorded Native American resources to exist within the project site is relatively low based on the highly-disturbed nature of the site. The City of Cupertino has not received any formal requests from local tribes for consultation pursuant to AB 52 (Public Resources Code Section 21080.3.1). As such, formal notification of the proposed project to any tribes is not required, pursuant to AB 52.

Given that the project would be required to comply with the City's standard conditions of approval regarding cultural resources, implementation of the proposed project would not result in a substantial adverse change in the significance of a tribal cultural resource, and a ***less-than-significant*** impact to tribal cultural resources would occur.

XIX. UTILITIES AND SERVICE SYSTEMS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. Sewer utilities for the potential future residences on the site would be provided by the Cupertino Sanitary District, and water services would be provided by San Jose Water Company. Future development on the project site would connect sanitary sewer and water lines to existing street laterals. In addition, the project would treat all on-site runoff, and would not include direct connections to the City's stormwater drainage facilities. Electricity and telecommunications utilities would be provided by way of connections to existing infrastructure located within the immediate project vicinity. As noted previously, natural gas infrastructure would not be provided in any new homes under the City's all-electric reach code. Therefore, the relocation or construction of new or expanded water, wastewater treatment, stormwater drainage, or other utility infrastructure would not be required.

Furthermore, given that the proposed project and possible redevelopment on the site with single-family residences would be consistent with the site's General Plan land use and zoning designations, standard utility improvements associated with development of the site have been anticipated by the City, and associated environmental effects have been analyzed in the General Plan EIR. Therefore, the project would result in a ***less-than-significant*** impact related to the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects.

- b. Water service to the project site is currently provided under contract with San Jose Water Company. Any future single-family residences on the site would connect to existing water supply infrastructure in the project vicinity. The proposed project would include demolition of the existing on-site residence. Up to three new single-family residences could potentially be developed on the project site in the future. A net increase of two residences on the project site would not substantially increase the demand for water supplies associated with the site. Given that the project and potential future development of the site with single-family residences would be consistent with the City's General Plan land use designation, water demand associated with buildout of the project site with residential uses has been anticipated by the City and accounted for in regional planning efforts, including the UWMP. Per the UWMP, water supplies and reserves are projected to meet expected demands for normal-year and single dry-year scenarios through 2035. The Santa Clara Valley Water District anticipates facing water shortage in multiple dry-year scenarios. However, a Water Shortage Contingency Plan is in place, and a potential water supply shortage would not be a result of the proposed project. In addition, the project would comply with Chapter 14.15, Landscape Ordinance, of the City's Municipal Code, which contains water-efficient design requirements. Therefore, sufficient water supplies would be available to serve the proposed project, and a *less-than-significant* impact would occur.
- c. Sewer service at the project site would be provided by the Cupertino Sanitary District (CSD). Any future residences on the project site would connect to the CSD's existing sanitary sewer system by way of connections to existing sewer lines. The CSD collection system directs wastewater to the San Jose/Santa Clara Water Pollution Control Plant (SJ/SCWPCP), a joint powers authority. The project area is currently provided sewer services by the CSD, including the existing on-site residence. The proposed project would include demolition of the existing residence. Up to three new single-family residences could potentially be developed on the project site in the future. A net increase of two residences on the project site would not substantially increase the demand for wastewater treatment associated with the site, and would not affect the available capacity of the SJ/SCWPCP. In addition, the proposed project and potential future development of the site with single-family residences would be consistent with the site's current General Plan land use and zoning designations. Thus, increased demand for wastewater collection and treatment facilities associated with buildout of the site have been anticipated by the City and analyzed in the General Plan EIR.

Based on the above, the City would have adequate capacity to serve the proposed project in addition to the City's existing commitments, and a *less-than-significant* impact would occur.

- d,e. The City contracts with Recology South Bay (Recology) for solid waste collection services. All non-hazardous solid waste collected under the Recology franchise agreement is taken to Newby Island Sanitary Landfill for processing. Under the agreement, recyclable materials also are handled by Recology. Of the 27,593 tons of solid waste disposed in 2012, 25,440 tons, or 92 percent was disposed of at the Newby Island Landfill. The Monterey Peninsula Landfill, the Guadalupe Sanitary Landfill, and the Altamont Landfill and

Resource Recovery Facility accepted the next highest amounts of waste from Cupertino, respectively receiving 1,260 tons (4.6 percent of total), 321 tons (1.2 percent) and 238 tons (0.9 percent) of all waste. Per the General Plan EIR, sufficient landfill capacity is available to serve buildout of the General Plan.

The project site is currently developed with residential use and is designated as Low Density in the City's General Plan. The proposed project would demolish the existing on-site residence and allow for the potential future construction of up to three new single-family residences. The net increase of two residences on the project site would not substantially increase the solid waste generation associated with the site. In addition, the proposed project and potential future development of the site with single-family residences would be consistent with the General Plan land use designation for the site. As such, generation of solid waste associated with the project site has been previously anticipated by the City. Based on the above, the project would not increase solid waste generation such that the capacity of any landfills serving the City would be exceeded. In addition, construction and any demolition debris associated with the project would be subject to Chapter 16.72 of the City's Municipal Code, which requires that a minimum of 60 percent of construction and demolition debris be diverted from a landfill. Therefore, the proposed project would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs and would comply with federal, State, and local statutes and regulations related to solid waste. Accordingly, a *less-than-significant* impact would occur.

XX. WILDFIRE.

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a-d. According to the CAL FIRE Fire and Resource Assessment Program, the project site is not located within or near a state responsibility area or lands classified as a Very High Fire Hazard Severity Zone.³⁵ In addition, the site is currently developed and surrounded by existing development. The developed nature of the area surrounding the project site precludes the spread of wildfire to the site. Furthermore, while not located in an area of high wildfire risk, the future development on the project site would be required to include adequate fire protection features, such as fire alarms/smoke detectors, as required by State law. Therefore, the proposed project would not be expected to be subject to or result in substantial adverse effects related to wildfire, and a *less-than-significant* impact would occur.

³⁵ California Department of Forestry and Fire Protection. *Santa Clara County, Very High Fire Hazard Severity Zones in LRA*. October 8, 2008.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE.	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input type="checkbox"/>

Discussion

- a. As described throughout this IS/MND, impacts related to special-status plants and cultural resources would be less than significant. In addition, potential impacts related to reducing the habitat for nesting migratory birds would be reduced to less-than-significant levels with implementation of the mitigation measures required by this IS/MND, as well as compliance with General Plan policies and all applicable sections of the Municipal Code. As such, implementation of the proposed project, as well as the potential future redevelopment of the site with up to three single-family residences would not: 1) degrade the quality of the environment; 2) substantially reduce or impact the habitat of fish or wildlife species; 3) cause fish or wildlife populations to drop below self-sustaining levels; 4) threaten to eliminate a plant or animal community; 5) reduce the number or restrict the range of a rare or endangered plant or animal; or 6) eliminate important examples of the major periods of California history or prehistory. Therefore, a *less-than-significant* impact would occur.
- b. The proposed project, which would allow for the potential future construction of up to three new single-family homes on the project site, in conjunction with other development within the City of Cupertino could incrementally contribute to cumulative impacts in the area. However, as demonstrated in this IS/MND, all potential environmental impacts that could occur as a result of project implementation would be reduced to a less-than-significant level with implementation of project-specific mitigation measures, as well as compliance with applicable General Plan policies and Municipal Code standards. In addition, the site has been anticipated by the City for residential development. Thus, future buildout of the site with residential uses was considered in the cumulative analysis of buildout of the General Plan. When viewed in conjunction with other closely related past, present, or reasonably foreseeable future projects, the proposed project and potential future development of the

site with single-family residences would not substantially contribute to cumulative impacts in the City of Cupertino, and the project's cumulative impact would be *less than significant*.

- c. As described in this IS/MND, construction workers and/or potential future occupants at the project site could be exposed to existing soil contaminants. In addition, without implementation of appropriate safety measures, the proposed project could potentially expose construction workers during demolition activities to LBP and asbestos-containing materials. However, the proposed project would be required to implement the project-specific mitigation measures within this IS/MND, as well as comply with all applicable General Plan policies and standard conditions of approval, which would ensure that any potential direct or indirect effects to human beings would be reduced to less-than-significant levels. Therefore, the proposed project would have a *less-than-significant* impact.

APPENDIX A

AIR QUALITY AND GHG MODELING RESULTS

Bubb Road Project - Bay Area AQMD Air District, Annual

Bubb Road Project

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	3.00	Dwelling Unit	0.74	5,400.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	409.81	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors for CO2 adjusted based on PG&E RPS reductions

Land Use - Applicant provided

Construction Phase - Applicant provided

Demolition -

Grading - Applicant provided

Vehicle Trips - Based on ITE trip generation rates for single family homes (210)

Bubb Road Project - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	100.00
tblGrading	AcresOfGrading	0.00	0.74
tblGrading	AcresOfGrading	0.50	0.00
tblGrading	MaterialExported	0.00	591.00
tblLandUse	LotAcreage	0.97	0.74
tblProjectCharacteristics	CO2IntensityFactor	641.35	409.81
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Bubb Road Project - Bay Area AQMD Air District, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1207	0.8677	0.5772	1.1600e-003	9.1500e-003	0.0487	0.0579	2.6500e-003	0.0456	0.0482	0.0000	106.5110	106.5110	0.0212	0.0000	107.0397
Maximum	0.1207	0.8677	0.5772	1.1600e-003	9.1500e-003	0.0487	0.0579	2.6500e-003	0.0456	0.0482	0.0000	106.5110	106.5110	0.0212	0.0000	107.0397

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1207	0.8677	0.5772	1.1600e-003	9.1500e-003	0.0487	0.0579	2.6500e-003	0.0456	0.0482	0.0000	106.5109	106.5109	0.0212	0.0000	107.0396
Maximum	0.1207	0.8677	0.5772	1.1600e-003	9.1500e-003	0.0487	0.0579	2.6500e-003	0.0456	0.0482	0.0000	106.5109	106.5109	0.0212	0.0000	107.0396

[illegible]

Bubb Road Project - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-4-2018	9-3-2018	0.5548	0.5548
2	9-4-2018	9-30-2018	0.1465	0.1465
		Highest	0.5548	0.5548

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368
Energy	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	11.2272	11.2272	4.4000e-004	1.9000e-004	11.2948
Mobile	9.1200e-003	0.0431	0.1028	3.1000e-004	0.0246	4.0000e-004	0.0250	6.5900e-003	3.7000e-004	6.9700e-003	0.0000	28.2318	28.2318	1.1800e-003	0.0000	28.2611
Waste						0.0000	0.0000		0.0000	0.0000	0.7673	0.0000	0.7673	0.0454	0.0000	1.9010
Water						0.0000	0.0000		0.0000	0.0000	0.0620	0.2768	0.3388	6.3900e-003	1.5000e-004	0.5445
Total	0.0531	0.0496	0.1534	4.0000e-004	0.0246	4.7000e-003	0.0293	6.5900e-003	4.6700e-003	0.0113	1.2107	39.8657	41.0764	0.0541	3.6000e-004	42.5381

Bubb Road Project - Bay Area AQMD Air District, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368
Energy	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	11.2272	11.2272	4.4000e-004	1.9000e-004	11.2948
Mobile	9.1200e-003	0.0431	0.1028	3.1000e-004	0.0246	4.0000e-004	0.0250	6.5900e-003	3.7000e-004	6.9700e-003	0.0000	28.2318	28.2318	1.1800e-003	0.0000	28.2611
Waste						0.0000	0.0000		0.0000	0.0000	0.7673	0.0000	0.7673	0.0454	0.0000	1.9010
Water						0.0000	0.0000		0.0000	0.0000	0.0620	0.2768	0.3388	6.3900e-003	1.5000e-004	0.5445
Total	0.0531	0.0496	0.1534	4.0000e-004	0.0246	4.7000e-003	0.0293	6.5900e-003	4.6700e-003	0.0113	1.2107	39.8657	41.0764	0.0541	3.6000e-004	42.5381

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Bubb Road Project - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/4/2018	6/15/2018	5	10	
2	Site Preparation	Site Preparation	6/16/2018	6/18/2018	5	1	
3	Grading	Grading	6/19/2018	6/20/2018	5	2	
4	Paving	Paving	6/21/2018	6/27/2018	5	5	
5	Building Construction	Building Construction	6/28/2018	11/14/2018	5	100	
6	Architectural Coating	Architectural Coating	7/12/2018	11/28/2018	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.74

Acres of Paving: 0

Residential Indoor: 10,935; Residential Outdoor: 3,645; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Bubb Road Project - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	743.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	58.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction**3.2 Demolition - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3297
Total	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3297

Bubb Road Project - Bay Area AQMD Air District, Annual

3.2 Demolition - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5600e-003	0.1225	0.0234	3.0000e-004	6.2700e-003	4.9000e-004	6.7600e-003	1.7300e-003	4.7000e-004	2.1900e-003	0.0000	29.0713	29.0713	1.5400e-003	0.0000	29.1098
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687
Total	3.7600e-003	0.1227	0.0249	3.0000e-004	6.6700e-003	4.9000e-004	7.1600e-003	1.8400e-003	4.7000e-004	2.3000e-003	0.0000	29.4397	29.4397	1.5500e-003	0.0000	29.4785

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3296
Total	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3296

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3.2 Demolition - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5600e-003	0.1225	0.0234	3.0000e-004	6.2700e-003	4.9000e-004	6.7600e-003	1.7300e-003	4.7000e-004	2.1900e-003	0.0000	29.0713	29.0713	1.5400e-003	0.0000	29.1098
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687
Total	3.7600e-003	0.1227	0.0249	3.0000e-004	6.6700e-003	4.9000e-004	7.1600e-003	1.8400e-003	4.7000e-004	2.3000e-003	0.0000	29.4397	29.4397	1.5500e-003	0.0000	29.4785

3.3 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	4.8800e-003	2.1300e-003	0.0000		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492
Total	3.9000e-004	4.8800e-003	2.1300e-003	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492

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3.3 Site Preparation - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0184	0.0184	0.0000	0.0000	0.0184
Total	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0184	0.0184	0.0000	0.0000	0.0184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	4.8800e-003	2.1300e-003	0.0000		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492
Total	3.9000e-004	4.8800e-003	2.1300e-003	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492

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3.3 Site Preparation - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0184	0.0184	0.0000	0.0000	0.0184
Total	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0184	0.0184	0.0000	0.0000	0.0184

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1500e-003	0.0000	1.1500e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005		6.2000e-004	6.2000e-004		5.9000e-004	5.9000e-004	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659
Total	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005	1.1500e-003	6.2000e-004	1.7700e-003	4.6000e-004	5.9000e-004	1.0500e-003	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659

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3.4 Grading - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-004	9.5600e-003	1.8200e-003	2.0000e-005	4.9000e-004	4.0000e-005	5.3000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	2.2694	2.2694	1.2000e-004	0.0000	2.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.1000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0737	0.0737	0.0000	0.0000	0.0737
Total	3.2000e-004	9.5900e-003	2.1300e-003	2.0000e-005	5.7000e-004	4.0000e-005	6.1000e-004	1.5000e-004	4.0000e-005	1.9000e-004	0.0000	2.3431	2.3431	1.2000e-004	0.0000	2.3461

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1500e-003	0.0000	1.1500e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005		6.2000e-004	6.2000e-004		5.9000e-004	5.9000e-004	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659
Total	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005	1.1500e-003	6.2000e-004	1.7700e-003	4.6000e-004	5.9000e-004	1.0500e-003	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659

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3.4 Grading - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-004	9.5600e-003	1.8200e-003	2.0000e-005	4.9000e-004	4.0000e-005	5.3000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	2.2694	2.2694	1.2000e-004	0.0000	2.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.1000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0737	0.0737	0.0000	0.0000	0.0737
Total	3.2000e-004	9.5900e-003	2.1300e-003	2.0000e-005	5.7000e-004	4.0000e-005	6.1000e-004	1.5000e-004	4.0000e-005	1.9000e-004	0.0000	2.3431	2.3431	1.2000e-004	0.0000	2.3461

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

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3.5 Paving - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.3900e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3316	0.3316	1.0000e-005	0.0000	0.3318
Total	1.8000e-004	1.4000e-004	1.3900e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3316	0.3316	1.0000e-005	0.0000	0.3318

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

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3.5 Paving - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.3900e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3316	0.3316	1.0000e-005	0.0000	0.3318
Total	1.8000e-004	1.4000e-004	1.3900e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3316	0.3316	1.0000e-005	0.0000	0.3318

3.6 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0542	0.5516	0.3876	5.7000e-004		0.0354	0.0354		0.0326	0.0326	0.0000	52.0058	52.0058	0.0162	0.0000	52.4106
Total	0.0542	0.5516	0.3876	5.7000e-004		0.0354	0.0354		0.0326	0.0326	0.0000	52.0058	52.0058	0.0162	0.0000	52.4106

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3.6 Building Construction - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687
Total	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0542	0.5516	0.3876	5.7000e-004		0.0354	0.0354		0.0326	0.0326	0.0000	52.0058	52.0058	0.0162	0.0000	52.4105
Total	0.0542	0.5516	0.3876	5.7000e-004		0.0354	0.0354		0.0326	0.0326	0.0000	52.0058	52.0058	0.0162	0.0000	52.4105

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3.6 Building Construction - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687
Total	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3684	0.3684	1.0000e-005	0.0000	0.3687

3.7 Architectural Coating - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0380					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1003	0.0927	1.5000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	12.7663	12.7663	1.2100e-003	0.0000	12.7966
Total	0.0529	0.1003	0.0927	1.5000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	12.7663	12.7663	1.2100e-003	0.0000	12.7966

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3.7 Architectural Coating - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0380					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1003	0.0927	1.5000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	12.7663	12.7663	1.2100e-003	0.0000	12.7966
Total	0.0529	0.1003	0.0927	1.5000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	12.7663	12.7663	1.2100e-003	0.0000	12.7966

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3.7 Architectural Coating - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.1200e-003	0.0431	0.1028	3.1000e-004	0.0246	4.0000e-004	0.0250	6.5900e-003	3.7000e-004	6.9700e-003	0.0000	28.2318	28.2318	1.1800e-003	0.0000	28.2611
Unmitigated	9.1200e-003	0.0431	0.1028	3.1000e-004	0.0246	4.0000e-004	0.0250	6.5900e-003	3.7000e-004	6.9700e-003	0.0000	28.2318	28.2318	1.1800e-003	0.0000	28.2611

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	28.56	28.56	28.56	65,962	65,962
Total	28.56	28.56	28.56	65,962	65,962

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.570523	0.041853	0.194077	0.115893	0.018544	0.005373	0.016909	0.024079	0.002502	0.002562	0.005975	0.000872	0.000837

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.4515	4.4515	3.2000e-004	7.0000e-005	4.4788
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.4515	4.4515	3.2000e-004	7.0000e-005	4.4788
NaturalGas Mitigated	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159
NaturalGas Unmitigated	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	126971	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159
Total		6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159

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5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	126971	6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159
Total		6.8000e-004	5.8500e-003	2.4900e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7757	6.7757	1.3000e-004	1.2000e-004	6.8159

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	23947.5	4.4515	3.2000e-004	7.0000e-005	4.4788
Total		4.4515	3.2000e-004	7.0000e-005	4.4788

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	23947.5	4.4515	3.2000e-004	7.0000e-005	4.4788
Total		4.4515	3.2000e-004	7.0000e-005	4.4788

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368
Unmitigated	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0211					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0177	3.9000e-004	0.0257	5.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.3813	0.0936	0.4750	7.2000e-004	2.0000e-005	0.4995
Landscaping	6.9000e-004	2.6000e-004	0.0224	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0364	0.0364	4.0000e-005	0.0000	0.0373
Total	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0211					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0177	3.9000e-004	0.0257	5.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.3813	0.0936	0.4750	7.2000e-004	2.0000e-005	0.4995
Landscaping	6.9000e-004	2.6000e-004	0.0224	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0364	0.0364	4.0000e-005	0.0000	0.0373
Total	0.0433	6.5000e-004	0.0481	5.0000e-005		3.8300e-003	3.8300e-003		3.8300e-003	3.8300e-003	0.3813	0.1300	0.5114	7.6000e-004	2.0000e-005	0.5368

7.0 Water Detail**7.1 Mitigation Measures Water**

Bubb Road Project - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.3388	6.3900e-003	1.5000e-004	0.5445
Unmitigated	0.3388	6.3900e-003	1.5000e-004	0.5445

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.195462 / 0.123226	0.3388	6.3900e-003	1.5000e-004	0.5445
Total		0.3388	6.3900e-003	1.5000e-004	0.5445

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.195462 / 0.123226	0.3388	6.3900e-003	1.5000e-004	0.5445
Total		0.3388	6.3900e-003	1.5000e-004	0.5445

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.7673	0.0454	0.0000	1.9010
Unmitigated	0.7673	0.0454	0.0000	1.9010

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	3.78	0.7673	0.0454	0.0000	1.9010
Total		0.7673	0.0454	0.0000	1.9010

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	3.78	0.7673	0.0454	0.0000	1.9010
Total		0.7673	0.0454	0.0000	1.9010

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Bubb Road Project - Bay Area AQMD Air District, Summer

Bubb Road Project

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	3.00	Dwelling Unit	0.74	5,400.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	409.81	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors for CO2 adjusted based on PG&E RPS reductions

Land Use - Applicant provided

Construction Phase - Applicant provided

Demolition -

Grading - Applicant provided

Vehicle Trips - Based on ITE trip generation rates for single family homes (210)

Bubb Road Project - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	100.00
tblGrading	AcresOfGrading	0.00	0.74
tblGrading	AcresOfGrading	0.50	0.00
tblGrading	MaterialExported	0.00	591.00
tblLandUse	LotAcreage	0.97	0.74
tblProjectCharacteristics	CO2IntensityFactor	641.35	409.81
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Bubb Road Project - Bay Area AQMD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	2.1479	33.4414	12.6197	0.0733	1.7339	0.8593	2.3948	0.6168	0.8026	1.2476	0.0000	7,709.6373	7,709.6373	0.5594	0.0000	7,723.6225
Maximum	2.1479	33.4414	12.6197	0.0733	1.7339	0.8593	2.3948	0.6168	0.8026	1.2476	0.0000	7,709.6373	7,709.6373	0.5594	0.0000	7,723.6225

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	2.1479	33.4414	12.6197	0.0733	1.7339	0.8593	2.3948	0.6168	0.8026	1.2476	0.0000	7,709.6373	7,709.6373	0.5594	0.0000	7,723.6225
Maximum	2.1479	33.4414	12.6197	0.0733	1.7339	0.8593	2.3948	0.6168	0.8026	1.2476	0.0000	7,709.6373	7,709.6373	0.5594	0.0000	7,723.6225

[illegible]

Bubb Road Project - Bay Area AQMD Air District, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Energy	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Mobile	0.0570	0.2286	0.5837	1.8000e-003	0.1402	2.1700e-003	0.1424	0.0375	2.0400e-003	0.0396		181.1507	181.1507	7.1700e-003		181.3298
Total	3.3137	0.3234	4.8669	9.5900e-003	0.1402	0.5747	0.7149	0.0375	0.5746	0.6121	61.1350	241.0512	302.1862	0.0840	5.0600e-003	305.7949

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Energy	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Mobile	0.0570	0.2286	0.5837	1.8000e-003	0.1402	2.1700e-003	0.1424	0.0375	2.0400e-003	0.0396		181.1507	181.1507	7.1700e-003		181.3298
Total	3.3137	0.3234	4.8669	9.5900e-003	0.1402	0.5747	0.7149	0.0375	0.5746	0.6121	61.1350	241.0512	302.1862	0.0840	5.0600e-003	305.7949

Bubb Road Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/4/2018	6/15/2018	5	10	
2	Site Preparation	Site Preparation	6/16/2018	6/18/2018	5	1	
3	Grading	Grading	6/19/2018	6/20/2018	5	2	
4	Paving	Paving	6/21/2018	6/27/2018	5	5	
5	Building Construction	Building Construction	6/28/2018	11/14/2018	5	100	
6	Architectural Coating	Architectural Coating	7/12/2018	11/28/2018	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.74

Acres of Paving: 0

Residential Indoor: 10,935; Residential Outdoor: 3,645; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Bubb Road Project - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	743.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	58.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Bubb Road Project - Bay Area AQMD Air District, Summer

3.1 Mitigation Measures Construction**3.2 Demolition - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7
Total	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7

Bubb Road Project - Bay Area AQMD Air District, Summer

3.2 Demolition - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7037	23.9846	4.5085	0.0605	1.2980	0.0964	1.3944	0.3557	0.0923	0.4479		6,452.9306	6,452.9306	0.3314		6,461.2167
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
Total	0.7459	24.0118	4.8435	0.0614	1.3801	0.0970	1.4771	0.3775	0.0928	0.4702		6,540.2870	6,540.2870	0.3340		6,548.6368

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
Total	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857

Bubb Road Project - Bay Area AQMD Air District, Summer

3.2 Demolition - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7037	23.9846	4.5085	0.0605	1.2980	0.0964	1.3944	0.3557	0.0923	0.4479		6,452.9306	6,452.9306	0.3314		6,461.2167
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
Total	0.7459	24.0118	4.8435	0.0614	1.3801	0.0970	1.4771	0.3775	0.0928	0.4702		6,540.2870	6,540.2870	0.3340		6,548.6368

3.3 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.0000	0.4180	0.4180	0.0000	0.3846	0.3846		982.7113	982.7113	0.3059		990.3596

Bubb Road Project - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0136	0.1675	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6782	43.6782	1.2800e-003		43.7101
Total	0.0211	0.0136	0.1675	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6782	43.6782	1.2800e-003		43.7101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.0000	0.4180	0.4180	0.0000	0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596

Bubb Road Project - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0136	0.1675	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6782	43.6782	1.2800e-003		43.7101
Total	0.0211	0.0136	0.1675	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6782	43.6782	1.2800e-003		43.7101

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1452	0.0000	1.1452	0.4562	0.0000	0.4562			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
Total	1.0643	9.4295	7.7762	0.0120	1.1452	0.6228	1.7679	0.4562	0.5943	1.0504		1,169.3502	1,169.3502	0.2254		1,174.9857

Bubb Road Project - Bay Area AQMD Air District, Summer

3.4 Grading - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2747	9.3614	1.7597	0.0236	0.5066	0.0376	0.5442	0.1388	0.0360	0.1748		2,518.6405	2,518.6405	0.1294		2,521.8746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
Total	0.3168	9.3886	2.0947	0.0245	0.5888	0.0382	0.6269	0.1606	0.0365	0.1971		2,605.9969	2,605.9969	0.1319		2,609.2948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1452	0.0000	1.1452	0.4562	0.0000	0.4562			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
Total	1.0643	9.4295	7.7762	0.0120	1.1452	0.6228	1.7679	0.4562	0.5943	1.0504	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857

Bubb Road Project - Bay Area AQMD Air District, Summer

3.4 Grading - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2747	9.3614	1.7597	0.0236	0.5066	0.0376	0.5442	0.1388	0.0360	0.1748		2,518.6405	2,518.6405	0.1294		2,521.8746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
Total	0.3168	9.3886	2.0947	0.0245	0.5888	0.0382	0.6269	0.1606	0.0365	0.1971		2,605.9969	2,605.9969	0.1319		2,609.2948

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798

Bubb Road Project - Bay Area AQMD Air District, Summer

3.5 Paving - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0758	0.0490	0.6030	1.5800e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		157.2415	157.2415	4.5900e-003		157.3563
Total	0.0758	0.0490	0.6030	1.5800e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		157.2415	157.2415	4.5900e-003		157.3563

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798

Bubb Road Project - Bay Area AQMD Air District, Summer

3.5 Paving - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0758	0.0490	0.6030	1.5800e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		157.2415	157.2415	4.5900e-003		157.3563
Total	0.0758	0.0490	0.6030	1.5800e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		157.2415	157.2415	4.5900e-003		157.3563

3.6 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155,4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155,4555

Bubb Road Project - Bay Area AQMD Air District, Summer

3.6 Building Construction - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.2100e-003	2.7200e-003	0.0335	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7356	8.7356	2.6000e-004		8.7420
Total	4.2100e-003	2.7200e-003	0.0335	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7356	8.7356	2.6000e-004		8.7420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155,4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155,4555

Bubb Road Project - Bay Area AQMD Air District, Summer

3.6 Building Construction - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.2100e-003	2.7200e-003	0.0335	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7356	8.7356	2.6000e-004		8.7420
Total	4.2100e-003	2.7200e-003	0.0335	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7356	8.7356	2.6000e-004		8.7420

3.7 Architectural Coating - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	1.0589	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Bubb Road Project - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	1.0589	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Bubb Road Project - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Bubb Road Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0570	0.2286	0.5837	1.8000e-003	0.1402	2.1700e-003	0.1424	0.0375	2.0400e-003	0.0396		181.1507	181.1507	7.1700e-003		181.3298
Unmitigated	0.0570	0.2286	0.5837	1.8000e-003	0.1402	2.1700e-003	0.1424	0.0375	2.0400e-003	0.0396		181.1507	181.1507	7.1700e-003		181.3298

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	28.56	28.56	28.56	65,962	65,962
Total	28.56	28.56	28.56	65,962	65,962

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.570523	0.041853	0.194077	0.115893	0.018544	0.005373	0.016909	0.024079	0.002502	0.002562	0.005975	0.000872	0.000837

5.0 Energy Detail

Historical Energy Use: N

Bubb Road Project - Bay Area AQMD Air District, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
NaturalGas Unmitigated	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	347.867	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Total		3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

Bubb Road Project - Bay Area AQMD Air District, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.347867	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Total		3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Unmitigated	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

Bubb Road Project - Bay Area AQMD Air District, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1090	0.0599	4.0209	7.5700e-003		0.5686	0.5686		0.5686	0.5686	61.1350	18.5294	79.6644	0.0756	4.3100e-003	82.8397
Landscaping	7.6100e-003	2.8800e-003	0.2487	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4457	0.4457	4.4000e-004		0.4566
Total	3.2530	0.0627	4.2696	7.5800e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

Bubb Road Project - Bay Area AQMD Air District, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1090	0.0599	4.0209	7.5700e-003		0.5686	0.5686		0.5686	0.5686	61.1350	18.5294	79.6644	0.0756	4.3100e-003	82.8397
Landscaping	7.6100e-003	2.8800e-003	0.2487	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4457	0.4457	4.4000e-004		0.4566
Total	3.2530	0.0627	4.2696	7.5800e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Bubb Road Project - Bay Area AQMD Air District, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Bubb Road Project - Bay Area AQMD Air District, Winter

Bubb Road Project

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	3.00	Dwelling Unit	0.74	5,400.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	409.81	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors for CO2 adjusted based on PG&E RPS reductions

Land Use - Applicant provided

Construction Phase - Applicant provided

Demolition -

Grading - Applicant provided

Vehicle Trips - Based on ITE trip generation rates for single family homes (210)

Bubb Road Project - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	100.00
tblGrading	AcresOfGrading	0.00	0.74
tblGrading	AcresOfGrading	0.50	0.00
tblGrading	MaterialExported	0.00	591.00
tblLandUse	LotAcreage	0.97	0.74
tblProjectCharacteristics	CO2IntensityFactor	641.35	409.81
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Bubb Road Project - Bay Area AQMD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	2.1481	34.0687	12.9974	0.0723	1.7339	0.8593	2.3956	0.6168	0.8026	1.2483	0.0000	7,598.4503	7,598.4503	0.5779	0.0000	7,612.8968
Maximum	2.1481	34.0687	12.9974	0.0723	1.7339	0.8593	2.3956	0.6168	0.8026	1.2483	0.0000	7,598.4503	7,598.4503	0.5779	0.0000	7,612.8968

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	2.1481	34.0687	12.9974	0.0723	1.7339	0.8593	2.3956	0.6168	0.8026	1.2483	0.0000	7,598.4503	7,598.4503	0.5779	0.0000	7,612.8968
Maximum	2.1481	34.0687	12.9974	0.0723	1.7339	0.8593	2.3956	0.6168	0.8026	1.2483	0.0000	7,598.4503	7,598.4503	0.5779	0.0000	7,612.8968

[illegible]

Bubb Road Project - Bay Area AQMD Air District, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Energy	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Mobile	0.0500	0.2419	0.5943	1.6800e-003	0.1402	2.1900e-003	0.1424	0.0375	2.0600e-003	0.0396		169.4385	169.4385	7.3200e-003		169.6214
Total	3.3067	0.3367	4.8775	9.4700e-003	0.1402	0.5747	0.7149	0.0375	0.5746	0.6121	61.1350	229.3390	290.4740	0.0841	5.0600e-003	294.0864

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Energy	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Mobile	0.0500	0.2419	0.5943	1.6800e-003	0.1402	2.1900e-003	0.1424	0.0375	2.0600e-003	0.0396		169.4385	169.4385	7.3200e-003		169.6214
Total	3.3067	0.3367	4.8775	9.4700e-003	0.1402	0.5747	0.7149	0.0375	0.5746	0.6121	61.1350	229.3390	290.4740	0.0841	5.0600e-003	294.0864

Bubb Road Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/4/2018	6/15/2018	5	10	
2	Site Preparation	Site Preparation	6/16/2018	6/18/2018	5	1	
3	Grading	Grading	6/19/2018	6/20/2018	5	2	
4	Paving	Paving	6/21/2018	6/27/2018	5	5	
5	Building Construction	Building Construction	6/28/2018	11/14/2018	5	100	
6	Architectural Coating	Architectural Coating	7/12/2018	11/28/2018	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.74

Acres of Paving: 0

Residential Indoor: 10,935; Residential Outdoor: 3,645; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Bubb Road Project - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	743.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	58.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Bubb Road Project - Bay Area AQMD Air District, Winter

3.1 Mitigation Measures Construction**3.2 Demolition - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7
Total	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7

Bubb Road Project - Bay Area AQMD Air District, Winter

3.2 Demolition - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7248	24.6056	4.9027	0.0595	1.2980	0.0984	1.3964	0.3557	0.0942	0.4498		6,348.621 4	6,348.621 4	0.3500		6,357.372 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
Total	0.7694	24.6392	5.2211	0.0603	1.3801	0.0990	1.4791	0.3775	0.0947	0.4721		6,429.100 1	6,429.100 1	0.3524		6,437.911 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.350 2	1,169.350 2	0.2254		1,174.985 7
Total	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.350 2	1,169.350 2	0.2254		1,174.985 7

Bubb Road Project - Bay Area AQMD Air District, Winter

3.2 Demolition - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7248	24.6056	4.9027	0.0595	1.2980	0.0984	1.3964	0.3557	0.0942	0.4498		6,348.621 4	6,348.621 4	0.3500		6,357.372 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
Total	0.7694	24.6392	5.2211	0.0603	1.3801	0.0990	1.4791	0.3775	0.0947	0.4721		6,429.100 1	6,429.100 1	0.3524		6,437.911 1

3.3 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.0000	0.4180	0.4180	0.0000	0.3846	0.3846		982.7113	982.7113	0.3059		990.3596

Bubb Road Project - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0223	0.0168	0.1592	4.0000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		40.2393	40.2393	1.2100e-003		40.2695
Total	0.0223	0.0168	0.1592	4.0000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		40.2393	40.2393	1.2100e-003		40.2695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.0000	0.4180	0.4180	0.0000	0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596

Bubb Road Project - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0223	0.0168	0.1592	4.0000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		40.2393	40.2393	1.2100e-003		40.2695
Total	0.0223	0.0168	0.1592	4.0000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		40.2393	40.2393	1.2100e-003		40.2695

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1452	0.0000	1.1452	0.4562	0.0000	0.4562			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
Total	1.0643	9.4295	7.7762	0.0120	1.1452	0.6228	1.7679	0.4562	0.5943	1.0504		1,169.3502	1,169.3502	0.2254		1,174.9857

Bubb Road Project - Bay Area AQMD Air District, Winter

3.4 Grading - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2829	9.6038	1.9136	0.0232	0.5066	0.0384	0.5450	0.1388	0.0368	0.1756		2,477.9276	2,477.9276	0.1366		2,481.3431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
Total	0.3275	9.6374	2.2320	0.0240	0.5888	0.0390	0.6277	0.1606	0.0373	0.1979		2,558.4063	2,558.4063	0.1390		2,561.8821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1452	0.0000	1.1452	0.4562	0.0000	0.4562			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
Total	1.0643	9.4295	7.7762	0.0120	1.1452	0.6228	1.7679	0.4562	0.5943	1.0504	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857

Bubb Road Project - Bay Area AQMD Air District, Winter

3.4 Grading - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2829	9.6038	1.9136	0.0232	0.5066	0.0384	0.5450	0.1388	0.0368	0.1756		2,477.9276	2,477.9276	0.1366		2,481.3431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
Total	0.3275	9.6374	2.2320	0.0240	0.5888	0.0390	0.6277	0.1606	0.0373	0.1979		2,558.4063	2,558.4063	0.1390		2,561.8821

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798

Bubb Road Project - Bay Area AQMD Air District, Winter

3.5 Paving - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0605	0.5731	1.4600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		144.8616	144.8616	4.3400e-003		144.9702
Total	0.0802	0.0605	0.5731	1.4600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		144.8616	144.8616	4.3400e-003		144.9702

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798

Bubb Road Project - Bay Area AQMD Air District, Winter

3.5 Paving - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0605	0.5731	1.4600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		144.8616	144.8616	4.3400e-003		144.9702
Total	0.0802	0.0605	0.5731	1.4600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		144.8616	144.8616	4.3400e-003		144.9702

3.6 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155,4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155,4555

Bubb Road Project - Bay Area AQMD Air District, Winter

3.6 Building Construction - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4600e-003	3.3600e-003	0.0318	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.0479	8.0479	2.4000e-004		8.0539
Total	4.4600e-003	3.3600e-003	0.0318	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.0479	8.0479	2.4000e-004		8.0539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555

Bubb Road Project - Bay Area AQMD Air District, Winter

3.6 Building Construction - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4600e-003	3.3600e-003	0.0318	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.0479	8.0479	2.4000e-004		8.0539
Total	4.4600e-003	3.3600e-003	0.0318	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.0479	8.0479	2.4000e-004		8.0539

3.7 Architectural Coating - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	1.0589	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Bubb Road Project - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	1.0589	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Bubb Road Project - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2018**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Bubb Road Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0500	0.2419	0.5943	1.6800e-003	0.1402	2.1900e-003	0.1424	0.0375	2.0600e-003	0.0396		169.4385	169.4385	7.3200e-003		169.6214
Unmitigated	0.0500	0.2419	0.5943	1.6800e-003	0.1402	2.1900e-003	0.1424	0.0375	2.0600e-003	0.0396		169.4385	169.4385	7.3200e-003		169.6214

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	28.56	28.56	28.56	65,962	65,962
Total	28.56	28.56	28.56	65,962	65,962

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.570523	0.041853	0.194077	0.115893	0.018544	0.005373	0.016909	0.024079	0.002502	0.002562	0.005975	0.000872	0.000837

5.0 Energy Detail

Historical Energy Use: N

Bubb Road Project - Bay Area AQMD Air District, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
NaturalGas Unmitigated	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	347.867	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Total		3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

Bubb Road Project - Bay Area AQMD Air District, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.347867	3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687
Total		3.7500e-003	0.0321	0.0136	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9255	40.9255	7.8000e-004	7.5000e-004	41.1687

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963
Unmitigated	3.2530	0.0627	4.2696	7.5900e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

Bubb Road Project - Bay Area AQMD Air District, Winter

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1090	0.0599	4.0209	7.5700e-003		0.5686	0.5686		0.5686	0.5686	61.1350	18.5294	79.6644	0.0756	4.3100e-003	82.8397
Landscaping	7.6100e-003	2.8800e-003	0.2487	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4457	0.4457	4.4000e-004		0.4566
Total	3.2530	0.0627	4.2696	7.5800e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

Bubb Road Project - Bay Area AQMD Air District, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1090	0.0599	4.0209	7.5700e-003		0.5686	0.5686		0.5686	0.5686	61.1350	18.5294	79.6644	0.0756	4.3100e-003	82.8397
Landscaping	7.6100e-003	2.8800e-003	0.2487	1.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.4457	0.4457	4.4000e-004		0.4566
Total	3.2530	0.0627	4.2696	7.5800e-003		0.5699	0.5699		0.5699	0.5699	61.1350	18.9751	80.1101	0.0760	4.3100e-003	83.2963

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Bubb Road Project - Bay Area AQMD Air District, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Bubb Road Project
Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	4	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	2	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	2	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	8	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	1.49300E-002	1.00290E-001	9.27100E-002	1.50000E-004	7.53000E-003	7.53000E-003	0.00000E+000	1.27663E+001	1.27663E+001	1.21000E-003	0.00000E+000	1.27966E+001
Cement and Mortar Mixers	4.40000E-004	2.76000E-003	2.31000E-003	1.00000E-005	1.10000E-004	1.10000E-004	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	3.12000E-003	2.34900E-002	2.23400E-002	4.00000E-005	1.60000E-003	1.60000E-003	0.00000E+000	3.22594E+000	3.22594E+000	2.50000E-004	0.00000E+000	3.23218E+000
Cranes	1.42700E-002	1.70520E-001	6.30500E-002	1.40000E-004	7.38000E-003	6.79000E-003	0.00000E+000	1.31677E+001	1.31677E+001	4.10000E-003	0.00000E+000	1.32702E+001
Forklifts	1.33600E-002	1.18090E-001	9.08400E-002	1.10000E-004	9.42000E-003	8.67000E-003	0.00000E+000	1.04635E+001	1.04635E+001	3.26000E-003	0.00000E+000	1.05450E+001
Graders	2.60000E-004	3.56000E-003	9.60000E-004	0.00000E+000	1.20000E-004	1.10000E-004	0.00000E+000	3.03880E-001	3.03880E-001	9.00000E-005	0.00000E+000	3.06240E-001
Pavers	7.10000E-004	7.89000E-003	6.40000E-003	1.00000E-005	3.90000E-004	3.50000E-004	0.00000E+000	9.38920E-001	9.38920E-001	2.90000E-004	0.00000E+000	9.46220E-001
Rollers	5.60000E-004	5.45000E-003	4.23000E-003	1.00000E-005	3.80000E-004	3.50000E-004	0.00000E+000	5.23710E-001	5.23710E-001	1.60000E-004	0.00000E+000	5.27790E-001
Rubber Tired Dozers	8.70000E-004	9.42000E-003	3.28000E-003	1.00000E-005	4.60000E-004	4.20000E-004	0.00000E+000	5.85250E-001	5.85250E-001	1.80000E-004	0.00000E+000	5.89810E-001
Tractors/Loaders/Backhoes	2.97200E-002	2.93710E-001	2.60980E-001	3.50000E-004	2.08100E-002	1.91400E-002	0.00000E+000	3.16908E+001	3.16908E+001	9.87000E-003	0.00000E+000	3.19375E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	1.49300E-002	1.00290E-001	9.27100E-002	1.50000E-004	7.53000E-003	7.53000E-003	0.00000E+000	1.27663E+001	1.27663E+001	1.21000E-003	0.00000E+000	1.27966E+001
Cement and Mortar Mixers	4.40000E-004	2.76000E-003	2.31000E-003	1.00000E-005	1.10000E-004	1.10000E-004	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	3.12000E-003	2.34900E-002	2.23400E-002	4.00000E-005	1.60000E-003	1.60000E-003	0.00000E+000	3.22593E+000	3.22593E+000	2.50000E-004	0.00000E+000	3.23218E+000
Cranes	1.42700E-002	1.70520E-001	6.30500E-002	1.40000E-004	7.38000E-003	6.79000E-003	0.00000E+000	1.31677E+001	1.31677E+001	4.10000E-003	0.00000E+000	1.32702E+001
Forklifts	1.33600E-002	1.18090E-001	9.08400E-002	1.10000E-004	9.42000E-003	8.67000E-003	0.00000E+000	1.04635E+001	1.04635E+001	3.26000E-003	0.00000E+000	1.05450E+001
Graders	2.60000E-004	3.56000E-003	9.60000E-004	0.00000E+000	1.20000E-004	1.10000E-004	0.00000E+000	3.03880E-001	3.03880E-001	9.00000E-005	0.00000E+000	3.06240E-001
Pavers	7.10000E-004	7.89000E-003	6.40000E-003	1.00000E-005	3.90000E-004	3.50000E-004	0.00000E+000	9.38920E-001	9.38920E-001	2.90000E-004	0.00000E+000	9.46220E-001
Rollers	5.60000E-004	5.45000E-003	4.23000E-003	1.00000E-005	3.80000E-004	3.50000E-004	0.00000E+000	5.23710E-001	5.23710E-001	1.60000E-004	0.00000E+000	5.27790E-001
Rubber Tired Dozers	8.70000E-004	9.42000E-003	3.28000E-003	1.00000E-005	4.60000E-004	4.20000E-004	0.00000E+000	5.85250E-001	5.85250E-001	1.80000E-004	0.00000E+000	5.89810E-001
Tractors/Loaders/Balckhoes	2.97200E-002	2.93710E-001	2.60980E-001	3.50000E-004	2.08100E-002	1.91400E-002	0.00000E+000	3.16908E+001	3.16908E+001	9.87000E-003	0.00000E+000	3.19374E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	7.83313E-007	7.83313E-007	0.00000E+000	0.00000E+000	1.56291E-006
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.09987E-006	3.09987E-006	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.51886E-006	1.51886E-006	0.00000E+000	0.00000E+000	7.53567E-007
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.55700E-007	9.55700E-007	0.00000E+000	0.00000E+000	1.89664E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.46646E-007	9.46646E-007	0.00000E+000	0.00000E+000	1.25245E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)
No	Unpaved Road Mitigation	Moisture Content %	Vehicle Speed (mph)	0.00
No	Clean Paved Road	% PM Reduction	0.00	

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
---------------------	-------------

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
--	--

APPENDIX B

CAP CONSISTENCY CHECKLIST



CUPERTINO

Climate Action Plan – Development Project Consistency Checklist

The California Environmental Quality Act (CEQA) Guidelines require the analysis of greenhouse gas (GHG) emissions and potential climate change impacts from new development projects. The City of Cupertino Climate Action Plan (CAP) qualifies under section 15183.5 of the CEQA Guidelines as a plan for the reduction of GHG emissions. New development projects that are consistent with the growth projections in the CAP which are subject to discretionary review pursuant to the CEQA may be eligible for streamlined review under the CEQA Guidelines.

The City of Cupertino's Climate Action Plan Development Project Consistency Checklist (CAP Checklist) is intended to assist Project Applicants and City Staff in determining whether or not a project is consistent with the CAP and therefore eligible for streamlined review. Projects that demonstrate consistency with the CAP and the General Plan Update may be able to answer, "No additional significant environmental effect," in the City's initial study checklist. Projects that do not demonstrate consistency may, at the City's discretion, prepare a more comprehensive project-specific analysis of GHG emissions consistent with CEQA requirements.

The guidance provided in the Checklist does not supersede the City's discretionary authority. The Checklist was developed based on the 2020 GHG emissions projections of the City of Cupertino's CAP, which was prepared in accordance with Assembly Bill 32, the Global Warming Solutions Act (2006). The City may modify the Checklist in the event of changes in the law, scientific discovery, new factual data that alters the common application of the measures, or for any other reason deemed necessary by the City.

APPLICATION SUBMITTAL REQUIREMENTS

- » The CAP Checklist is required only for proposed new development projects which are subject to CEQA review (non-exempt projects).
- » The CAP Checklist shall be submitted to the City as part of the development application.
- » The applicable measures identified on the CAP Checklist shall be reflected in the conditions of approval and/or incorporated into the CEQA environmental analysis as mitigation measures.
- » Conditions of approval and measures identified in the CAP Checklist shall be shown on full-size sheets for building plan check submittals.

APPLICATION INFORMATION

Project Number:

031015

Address of Property:

11226 BUBB RD

Was a special consultant retained to complete this checklist?

☐ Yes

☒ No

If yes, complete following

Consultant Name:

Company:

Phone:

E-Mail:



CUPERTINO

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CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: 031015				YES	NO
<p>For new residential and non-residential buildings, will the project install advanced meter infrastructure (AMI), commonly referred to as Smart Meters, to allow two-way communication between the utility company and the meter in order to more closely manage energy use and operating costs?</p>		Goal 1 – Reduce Energy Use Measure C-E-1		X	
<p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>WORK W/ PG&E, UTILITY COMPANIES FOR THEIR REQUIREMENTS.</p>					
<p>Does the project involve substantial building renovation of existing structures? If yes, will the existing structure include energy-efficient building retrofits such as attic insulation, weather stripping, and related energy conservation improvements to increase the energy performance of the existing structure(s)? The City will use this information as part of its updated Community Development software to track projects that trigger the Green Building Ordinance, CALGreen, or Water Efficient Landscaping Ordinance and to gather energy and water conservation data.</p>		Goal 1 – Reduce Energy Use Measure C-E-2 and C-E-3			X
<p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>THE EXISTING STRUCTURES WILL BE A TOTAL DEMO.</p>					



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: <u>031015</u>				YES	NO
For new residential and non-residential buildings, will the project install solar photovoltaic (PV) power to offset electricity use? If yes, is the size (KW) of the solar PV known?		Goal 1 – Reduce Energy Use Measure C-E-5			X
Please explain how the proposed project meets this requirement or why it is not applicable.					
NO PLAN TO HAVE SOLAR PANEL INSTALLED					
For new residential and non-residential buildings that are not installing solar PV, will the roof be designed to support solar PV loads and will the structures be pre-wired and pre-plumbed for solar PV?		Goal 1 – Reduce Energy Use Measure C-E-5			X
Please explain how the proposed project meets this requirement or why it is not applicable.					
WE MAY PRE-WIRE THEM, BUT THERE IS NO PLAN YET.					



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST

PROJECT NUMBER: 031015

For new residential and non-residential buildings with a high hot water heating load, will the project install solar thermal (i.e., solar hot water heaters) to decrease natural gas use?

Goal 1 – Reduce Energy Use Measure C-E-6

APPLICABLE?
YES NO

X

Please explain how the proposed project meets this requirement or why it is not applicable.

NO PLAN YET

For new residential and non-residential development, will the project include alternative transportation improvements such as safety enhancements, pedestrian crossing improvements, sidewalk improvements, traffic calming measures (e.g., pavers, landscape strips), and bike lanes to increase safety and encourage walking and biking to nearby destinations to reduce vehicle trips?

Goal 2– Encourage Alternative Transportation Measure C-T-1

X

Please explain how the proposed project meets this requirement or why it is not applicable.

NEED THEM PER PWD COMMENTS.



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: 031015				YES	NO
<p>For new non-residential developments at community nodes such as schools, retail districts and civic areas, will the project include bike-share facilities to increase mobility and provide flexible transportation options?</p>		Goal 2- Encourage Alternative Transportation Measure C-T-2			X
<p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>THIS IS A RESIDENTIAL SINGLE HOUSE ON A SINGLE LOT.</p>					
<p>For new non-residential developments (employment generating land uses) will the project include Transportation Demand Management (TDM) programs to reduce travel demand (specifically for single-occupancy vehicles) and traffic congestion during the peak commute hours, such as transit subsidies, free shuttles, parking cash-out, carpool/rideshare programs, and/or guaranteed ride home? Under Senate Bill 1339 employers with 50 or more employees must pay for employee transit or vanpool expenses with pre-tax dollars; provide transit or vanpool subsidies to reduce or cover employees' monthly transit or vanpool costs; provide a low-cost or free shuttle, vanpool, or bus service operated by or for the employer; or provide an alternative method that would be equally effective in reducing single-occupant vehicle trips (and/or vehicle emissions).</p>		Goal 2- Encourage Alternative Transportation Measure C-T-3			X
<p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>ALL DEVELOPMENTS ARE SINGLE FAMILY HOMES ON SINGLE LOT. THIS IS NOT APPLIED</p>					



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST

PROJECT NUMBER: 031015

For new non-residential developments that are considered large employers by the City of Cupertino, will the employer provide free shuttle service and/or provide access to car share services (e.g., ZipCar, City Car Share, RelayRides, Getaround)?

CORRESPONDING COMMUNITY GOAL

APPLICABLE?

YES NO

Goal 2- Encourage Alternative Transportation Measure C-T-4

☒

Please explain how the proposed project meets this requirement or why it is not applicable.

N/A, SINGLE HOMES ON A SINGLE LOTS

For new non-residential and mixed-use development, will the project place higher-density and -intensity development within a half-mile walking distance of primary transit stops (i.e., transit-oriented development [TOD])?

Goal 2- Encourage Alternative Transportation Measure C-T-6

☒

Please explain how the proposed project meets this requirement or why it is not applicable.

LOTS LOCATIONS CANNOT BE CHANGED
THEY ARE WITHIN THE EXISTING LOT
DISTANCE TO TRANSIT STOPS ARE NO DIFFERENCE
THAN 600 FEET. AFTER THE DEVELOPMENT.



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: <u>031015</u>				YES	NO
For new residential, will the project place higher-density and -intensity development within a quarter-mile walking distance of primary transit stops (i.e., TOD)?		Goal 2- Encourage Alternative Transportation Measure C-T-6			X
Please explain how the proposed project meets this requirement or why it is not applicable.					
A SUBDIVISION WILL BE MADE TO THE EXISTING LOT; YES TO HIGHER-DENSITY, NO CHANGE COULD BE MADE FOR DISTANCE TO PUBLIC TRANSIT STOPS.					
For new non-residential developments, will the project provide electric vehicle (EV) charging stations, infrastructure for EV charging, compressed natural gas (CNG) charging stations, and/or preferential parking requirements for alternative-fuel vehicles?		Goal 2- Encourage Alternative Transportation Measure C-T-7			X
Please explain how the proposed project meets this requirement or why it is not applicable.					
NO. SINGLE FAMILY HOMES, BUT WILL NOTE ON PLAN FOR 220V ELECTRICAL VEHICLE CHARGING PLUG.					



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: 031015				YES	NO
For new residential developments (multi-family and single-family), will the project pre-wire homes to accommodate the future installation of electric vehicle (EV) or provide EV charging systems?		Goal 2- Encourage Alternative Transportation Measure C-T-7		X	
Please explain how the proposed project meets this requirement or why it is not applicable. WILL NOTE IT ON PLAN.					
Does the project involve substantial building renovation of an existing multi-family structure? If yes, will the project install electric vehicle (EV) stations?		Goal 2- Encourage Alternative Transportation Measure C-T-7			X
Please explain how the proposed project meets this requirement or why it is not applicable. EXISTING HOME WILL BE A TOTAL DEMO.					



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CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: 031015				YES	NO
<p>For new residential and non-residential developments, will the project install water-efficient fixtures, such as low-flow faucets, showerheads, and toilets, and water-efficient landscapes that utilize drought-tolerant plants and climate-sensitive/water efficient irrigation systems?</p> <p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>WILL NOTE THEM ON PLANNING APPLY BUILDING PERMITS.</p>		Goal 3 – Conserve Water Measure C-W-1		X	
<p>For new residential and non-residential developments, will the project support recycling and organic waste diversion to reduce, reuse, or recycle solid waste materials to support the City's 75% waste diversion goal?</p> <p>Please explain how the proposed project meets this requirement or why it is not applicable.</p> <p>WE USE CITY CONTRACTED RECYCLING DEPARTMENTS FOR WASTE MATERIALS.</p>		Goal 4 – Reduce Solid Waste Measure C-SW-1		X	



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: 031015				YES	NO
For new residential and non-residential developments that generate substantial food waste and compostable paper (i.e., food-soiled paper), will the project support food waste collection services and/or provide collection bins for food waste?		Goal 4 – Reduce Solid Waste Measure C-SW-2		X	
Please explain how the proposed project meets this requirement or why it is not applicable.					
EACH SINGLE FAMILY HOMES WOULD HAVE TO FOLLOW CITY RELATED MEASURES FOR ITS WASTE COLLECTION.					
For new residential and non-residential developments, will the project comply with the City's Construction and Demolition Debris Diversion Ordinance to divert 60% of construction waste?		Goal 4 – Reduce Solid Waste Measure C-SW-3		X	
Please explain how the proposed project meets this requirement or why it is not applicable.					
A GREEN POINTS MEASUREMENT HAS TO BE MET.					



CUPERTINO

CAP DEVELOPMENT CONSISTENCY CHECKLIST		CORRESPONDING COMMUNITY GOAL		APPLICABLE?	
PROJECT NUMBER: <u>031015</u>				YES	NO
Does the project involve building renovation of 3,000 square feet or more? If yes, will the project comply with the City's Construction and Demolition Debris Diversion Ordinance to divert 60% of construction waste?		Goal 4 - Reduce Solid Waste Measure C-SW-3		<input checked="" type="checkbox"/>	
Please explain how the proposed project meets this requirement or why it is not applicable.					
<p>EACH NEW SINGLE FAMILY BUILDING IS MORE THAN 2000 SF. 100% WASTE WILL BE DIVERTED TO CITY CONTRACTING WASTE COLLECTING AGENCIES.</p>					
For new residential and non-residential developments, will the project include cool roofs, cool pavements, and/or trees to reduce the urban heat island effect?		Goal 5 - Expand Green Infrastructure Measure C-G-1		<input checked="" type="checkbox"/>	
Please explain how the proposed project meets this requirement or why it is not applicable.					
<p>1 KEEPING AS MANY TREES AS WE COULD. - REMOVE ONLY TREES NEEDED.</p> <p>2 USE ROOF SHEATHINGS WITH RADIANT BARRIER.</p>					

APPENDIX C

PHASE I ENVIRONMENTAL SITE ASSESSMENT



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**BUBB ROAD PROPERTY
11226 BUBB ROAD
CUPERTINO, CA 95014**

Project Number 2017-11-008

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
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APPENDIX - EDR Reports - Questionnaires - Additional Documents (as provided)

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Subject: Phase I Environmental Site Assessment Report:
Bubb Road Property
11226 Bubb Road
Cupertino, CA 95014
APN(s): 36206036

Dear Mr. Chen:

As requested, Enviro Assessment, PC (Enviro Assessment) has prepared a Phase I Environmental Site Assessment (ESA) for 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. For the purpose of this report, the term "Property" shall refer to either one parcel or multiple parcels. This report was produced in accordance with the American Society for Testing and Materials (ASTM) International Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM International E1527-13) and is compliant with the All Appropriate Inquiries (AAI) rule.

1. EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment has been conducted for the Property. The Findings, Opinion, and Conclusions are provided below:

The Property is located at 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. The Property is currently single-family residence.

The Property was not listed in the EDR Report, in the FINDS and SLIC databases. Please refer to Section 5.4 of this report for additional details.

The EDR Report was reviewed for any adjoining and/or surrounding sites which may pose a risk of significant environmental concern to the Property. There were no adjoining or surrounding sites of potential concern identified in the surrounding area.

The Orphan Site List was reviewed. No sites were listed on the Orphan List that were within the search radius of the Property.

Based on the aerial photos, topographic maps, and City Directory listings of the site, in addition to information obtained while conducting interviews, the Property was developed as part of an orchard sometime before 1948 and was redeveloped in 1955 with the present-day residential structure. An addition/remodel was permitted in the 1980's. Historical use of the site includes, but is not limited to, orchards and a residence.

Interviews were conducted with individuals and local government agencies in an attempt to obtain any information indicating Recognized Environmental Conditions in connection with the Property. Please refer to Section 7 of this report for additional details on these interviews.

Enviro Assessment personnel identified no significant observable contaminated areas on the Property during the site reconnaissance.

All available standard historical sources have been reviewed in an attempt to identify the likelihood of past uses of the Property and surrounding area, having led to Recognized Environmental Conditions (RECs) in connection with the site. No significant environmental concerns have been identified based on the historical use of the Property or surrounding area, with the exception of the historical use of the Property and surrounding area as orchards. This is discussed further in the interview paragraph within this section, below.

The Property was listed in the EDR Report. RESIDENCE – 11226 BUBB RD was listed in the FINDS and SLIC databases. The SLIC database lists this as a cleanup program site with an open site assessment status as of May, 2015. According to a 2015 notification from the County of Santa Clara DEH found via the database's GeoTracker link, prior to the development of the residential structure in 1955, the site consisted of orchards. Soil sampling performed at the site revealed soils impacted with certain organochlorine pesticides above the residential EPA Regional Screening Levels. This is discussed further in the interview paragraph within this section, below.

The EDR Report was reviewed for any adjoining, surrounding, or Orphan sites which may pose a risk of significant environmental concern to the Property. Based on the description of the cases, the type of database listings, the amount of past regulatory oversight, and the relative distances to the Property, the sites listed are not anticipated to impact the Property at this time.

Enviro Assessment personnel did not observe any visible RECs related to the Property.

No significant environmental concerns were identified during the interviews conducted for the Property, with the exception of the following:

Previous Phase I and Phase II Environmental Assessments were performed in 2013 and 2014, respectively. The Phase II revealed minor contaminants found around the perimeter of the residential structure onsite. Conclusions and recommendations stated that "results of this evaluation demonstrate that a human health cancer risk above DTSC's decision-making threshold and a noncancer hazard index above the target hazard index were found to be associated with the

site. The 95th percentile blood lead level estimate associated with the maximum detected lead concentration was found to be below the target child blood lead level. Except where noted above, the areas contributing to the elevated risk and hazard have been identified. Based on the findings of this investigation, a minor response actions at several locations is recommended.” The Phase II recommended response was to remove soil within three feet of the structure’s foundation to a depth of one foot and dispose of the soil; and to also remove the soil from under the structure after it’s demolition to the same depth. There is an Update to Phase II Environmental Site Assessment letter, dated November 17, 2017, which recommends the same response. Please refer to the GeoTracker database findings, below, for additional discussion.

Documents found in the GeoTracker database revealed pre-redevelopment assessments in 2015 found soils to be impacted with organochlorine pesticides that were above residential EPA Regional Screening Levels. The impact was determined to be due to the Property’s historical use as orchards. The presence of pesticides above screening levels in the soils on site constitutes a REC.

Enviro Assessment has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International Standard E1527-13 practice for the Property located at 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. Any exceptions to, or deletions from, this practice are described in the Limitations Section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the Property., with the exception of the presence of pesticides and metals above screening levels in the soils due to the Property’s historical use as orchards.

2. INTRODUCTION

2.1 Purpose

The purpose of this Phase I Environmental Site Assessment is to identify, to the extent feasible, Recognized Environmental Conditions (REC) in connection with the Property. The report follows

the processes prescribed by the AAI rule and in ASTM International Standard E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. As defined by ASTM International E1527-13, §1.1.1, the term "Recognized Environmental Conditions" refers to:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

2.2 Detailed Scope-of-Service

The scope of work performed for this Phase I Environmental Site Assessment report includes:

- Collecting and reviewing available environmental related information concerning the Property and other data pertinent to the specific site per the ASTM International Standard E1527-13;
- Conducting a site visit to observe current site uses, observe adjacent land use, and gather data on possible spills, or misuse of chemicals that could be considered a REC;
- Contacting appropriate regulatory personnel, and reviewing regulatory files regarding the Property in question.

No additional non-scope considerations per Section 13 of the ASTM International Standard E1527-13 were included in this Phase I Environmental Assessment report.

2.3 Significant Assumptions

No significant assumptions were made in this assessment.

2.4 Limitations and Exceptions

Limitations

This report is applicable only for the project and site studied. Report findings and statements of

professional opinion do not constitute a guarantee or warranty, expressed or implied. This report contains information and data provided by others; Enviro Assessment in no way warrants the accuracy or completeness of the information provided by those sources. Enviro Assessment's services are performed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. This report is prepared using the ASTM International Standard E1527-13 and includes several inherent limitations, including but not limited to: Section 4.5.1 - Uncertainty Not Eliminated, Section 4.5.2 - Not Exhaustive, Section 7.4 - No Sampling, and Section 7.5.2.1 - Reliance. This report was requested to be produced within a specific time frame. Any information received within 20 days following this production date would be included in an addendum letter. This could include RECs that were not previously defined.

Exceptions

No exceptions to or deviations from the ASTM International Standard E1527-13 was made during the course of work, with the exception of the following:

- No interviews were conducted with local agencies as part of this assessment. Relevant local agencies for the area have policies of referring requests for interviews to their file review departments.
- A complete list of previous occupants of the Property was not located; therefore, no determination can be made based on every previous use of the Property.
- A complete history in five-year intervals was not reasonably ascertainable.
- Certain portions of the Property, particularly the interior of the structure and most of the associated yard area, were inaccessible at the time of the site reconnaissance; therefore, inspection of these areas was not possible.
- All obvious uses of the Property dating back to the first developed use, or back to 1940, were not obtainable for this report using the standard historical sources cited in the ASTM International Standard 1527-13 in Sections 8.3.4.1 through 8.3.4.8.

These limitations are not anticipated to represent a significant data gap for the investigation.

2.5 Special Terms and Conditions

Enviro Assessment has been authorized by Ray Chen to perform a Phase I Environmental Site Assessment of the Property. It is Enviro Assessment's understanding that Mr. Chen will use the information contained in this report in relation to a subdivision project. Without prior written consent of the client, Enviro Assessment will keep confidential, and not disclose to any person or entity, any data or information provided by the client or generated in conjunction with the performance of this study, except when required by law. Provisions of confidentiality shall not apply to data or information obtained from the public domain or acquired from third parties not under obligation to the client to maintain confidentiality.

2.6 User Reliance

This report was prepared for the exclusive use of Ray Chen. No other person or entity is entitled to rely upon this report without the specific written authorization of Enviro Assessment. Such reliance is subject to the same limitations, terms, and conditions as the original contract with the client. Enviro Assessment specifically disclaims any responsibility for any unauthorized use of this report. Based on the ASTM International Standard, this Phase I report expires 180 days from the date the work was conducted.

3. SITE DESCRIPTION

3.1 Location and Legal Description

The Property is located at 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. A Vicinity and Site Map are located on Plates A1 and B1, respectively.

3.2 Site and Vicinity General Characteristics

The Property is relatively flat and consists of an approximately .74-acre parcel. The Property is located on the southeast corner of the intersection of Bubb Road and Krzich Place, within the south-central portion of the city of Cupertino, California. The surrounding area consists of a mix of residential and institutional properties. The city of Cupertino is located within the Santa Clara Valley, between the Santa Cruz Mountains to the south, San Francisco Bay to the north, and the Diablo Mountains to the east.

3.3 Description of Improvements on Property

The Property consists of an approximately 4,000 square-foot, single-story, residential structure with an attic and attached garage, covering the northwestern, central, and southern portions of the site. As per the most recent aerial views, a swimming is located on the north-central portion of the site. At least two small outbuildings are present on the eastern portion. A paved driveway is present on the northwestern portion, and the remaining portion consists of landscaping.

3.4 Current Uses of the Adjoining Properties

Aerial imagery and parcel data were reviewed in an attempt to determine the types of use of the adjoining properties. The following observations are discussed below:

Direction	Type of Use
North	Residential.
South	Residential.
East	Residential.
West	Residential.

4. USER PROVIDED INFORMATION

4.1 Title Records

Chain of title reports were not provided by the client for use in preparing this report. A Preliminary Title Report was reviewed for pertinent title records and/or judicial records. No records were identified that would appear as a significant environmental condition.

4.2 Environmental Liens or Activity and Use Limitations

No additional information was provided identifying actual knowledge of environmental liens or activity and use limitations recorded against the Property. Included in the records review section is a search of state deed restrictions, liens, and use limitations.

4.3 Specialized Knowledge

No information was provided identifying specialized knowledge or experience that is material to

Recognized Environmental Conditions in connection with the Property.

4.4 Commonly Known or Reasonably Ascertainable Information

No information was provided identifying knowledge of commonly known or reasonably ascertainable information related to the Property.

4.5 Valuation Reduction for Environmental Issues

No information was provided identifying knowledge of valuation reduction of the Property.

4.6 Owner, Property Manager, and Occupant Information

Information provided by the owner of the Property is discussed in Section 7 of this report.

4.7 Reason for Performing Phase I

The Phase I has been requested by Ray Chen in relation to a subdivision project.

4.8 Other

No other information related to the Property was provided for review.

5. RECORDS REVIEW

5.1 Standard and Additional Environmental Records

The Environmental Records used for this Phase One ESA were obtained through Environmental Data Resources, Inc. (EDR®) of Shelton, Connecticut. The search radius used for each of the records is listed below and is based on the ASTM International Standard E1527-13 Sections; 8.2.1 and 8.2.3. The date of each of the government records searched and the date EDR® obtained the records are listed in the EDR® Report (attached). In addition to the search results, lists of sites which may be located within the search area but due to lack of information cannot be accurately located are provided (Orphan Sites). This Orphan Site list is reviewed, and all sites which may be included in the search radius have been included in this report.

5.2 Database Results

For the full name, description, and the date each of the databases were last updated, please refer to

the Government Records section of the EDR[®] Report.

Database	Property	Adjoining Property	Search Distance (Miles)	0.125	0.250	0.500	1.000	Total
NPL			1.000	0	0	0	0	0
Proposed NPL			1.000	0	0	0	0	0
NPL LIENS			0.001	0	NR	NR	NR	0
Delisted NPL			1.000	0	0	0	0	0
FEDERAL FACILITY			0.500	0	0	0	NR	0
SEMS			0.500	0	0	0	NR	0
SEMS-ARCHIVE			0.500	0	0	0	NR	0
CORRACTS			1.000	0	0	0	1	1
RCRA-TSDF			0.500	0	0	0	NR	0
RCRA-LQG			0.250	0	0	NR	NR	0
RCRA-SQG			0.250	0	0	NR	NR	0
RCRA-CESQG			0.250	0	0	NR	NR	0
LUCIS			0.500	0	0	0	NR	0
US ENG CONTROLS			0.500	0	0	0	NR	0
US INST CONTROL			0.500	0	0	0	NR	0
ERNS			0.001	0	NR	NR	NR	0
RESPONSE			1.000	0	0	0	1	1
ENVIROSTOR			1.000	0	0	0	2	2
SWF/LF			0.500	0	0	0	NR	0
LUST			0.500	0	0	1	NR	1
INDIAN LUST			0.500	0	0	0	NR	0
SLIC	1		0.500	0	0	0	NR	1
HIST LUST			0.500	0	0	0	NR	0
FEMA UST			0.250	0	0	NR	NR	0
UST			0.250	0	0	NR	NR	0
AST			0.250	0	0	NR	NR	0
INDIAN UST			0.250	0	0	NR	NR	0
INDIAN VCP			0.500	0	0	0	NR	0
VCP			0.500	0	0	0	NR	0
BROWNFIELDS			0.500	0	0	0	NR	0
US BROWNFIELDS			0.500	0	0	0	NR	0
WMUDS/SWAT			0.500	0	0	0	NR	0
SWRCY			0.500	0	0	0	NR	0

Database	Property	Adjoining Property	Search Distance (Miles)	0.125	0.250	0.500	1.000	Total
HAULERS			0.001	0	NR	NR	NR	0
INDIAN ODI			0.500	0	0	0	NR	0
DEBRIS REGION 9			0.500	0	0	0	NR	0
ODI			0.500	0	0	0	NR	0
IHS OPEN DUMPS			0.500	0	0	0	NR	0
US HIST CDL			0.001	0	NR	NR	NR	0
HIST Cal-Sites			1.000	0	0	0	0	0
SCH			0.250	0	0	NR	NR	0
CDL			0.001	0	NR	NR	NR	0
Toxic Pits			1.000	0	0	0	0	0
US CDL			0.001	0	NR	NR	NR	0
SWEEPS UST			0.250	0	0	NR	NR	0
HIST UST			0.250	0	0	NR	NR	0
CA FID UST			0.250	0	0	NR	NR	0
LIENS			0.001	0	NR	NR	NR	0
LIENS 2			0.001	0	NR	NR	NR	0
DEED			0.500	0	0	0	NR	0
HMIRS			0.001	0	NR	NR	NR	0
CHMIRS			0.001	0	NR	NR	NR	0
LDS			0.001	0	NR	NR	NR	0
MCS			0.001	0	NR	NR	NR	0
SPILLS 90			0.001	0	NR	NR	NR	0
RCRA NonGen / NLR			0.250	0	0	NR	NR	0
FUDS			1.000	0	0	0	0	0
DOD			1.000	0	0	0	0	0
SCRD DRYCLEANERS			0.500	0	0	0	NR	0
US FIN ASSUR			0.001	0	NR	NR	NR	0
EPA WATCH LIST			0.001	0	NR	NR	NR	0
2020 COR ACTION			0.250	0	0	NR	NR	0
TSCA			0.001	0	NR	NR	NR	0
TRIS			0.001	0	NR	NR	NR	0
SSTS			0.001	0	NR	NR	NR	0
ROD			1.000	0	0	0	0	0
RMP			0.001	0	NR	NR	NR	0
RAATS			0.001	0	NR	NR	NR	0

Database	Property	Adjoining Property	Search Distance (Miles)	0.125	0.250	0.500	1.000	Total
PRP			0.001	0	NR	NR	NR	0
PADS			0.001	0	NR	NR	NR	0
ICIS			0.001	0	NR	NR	NR	0
FTTS			0.001	0	NR	NR	NR	0
MLTS			0.001	0	NR	NR	NR	0
COAL ASH DOE			0.001	0	NR	NR	NR	0
COAL ASH EPA			0.500	0	0	0	NR	0
PCB TRANSFORMER			0.001	0	NR	NR	NR	0
RADINFO			0.001	0	NR	NR	NR	0
HIST FTTS			0.001	0	NR	NR	NR	0
DOT OPS			0.001	0	NR	NR	NR	0
CONSENT			1.000	0	0	0	0	0
INDIAN RESERV			0.001	0	NR	NR	NR	0
FUSRAP			1.000	0	0	0	0	0
UMTRA			0.500	0	0	0	NR	0
LEAD SMELTERS			0.001	0	NR	NR	NR	0
US AIRS			0.001	0	NR	NR	NR	0
US MINES			0.250	0	0	NR	NR	0
ABANDONED MINES			0.001	0	NR	NR	NR	0
FINDS	1		0.001	0	NR	NR	NR	1
UXO			1.000	0	0	0	0	0
DOCKET HWC			0.001	0	NR	NR	NR	0
ECHO			0.001	0	NR	NR	NR	0
FUELS PROGRAM			0.250	0	0	NR	NR	0
CA BOND EXP. PLAN			1.000	0	0	0	0	0
Cortese			0.500	0	0	0	NR	0
CUPA Listings			0.250	0	0	NR	NR	0
DRYCLEANERS			0.250	0	0	NR	NR	0
EMI			0.001	0	NR	NR	NR	0
ENF			0.001	0	NR	NR	NR	0
Financial Assurance			0.001	0	NR	NR	NR	0
HAZNET			0.001	0	NR	NR	NR	0
ICE			0.001	0	NR	NR	NR	0
HIST CORTESE			0.500	0	0	1	NR	1

Database	Property	Adjoining Property	Search Distance (Miles)	0.125	0.250	0.500	1.000	Total
HWP			1.000	0	0	0	1	1
HWT			0.250	0	0	NR	NR	0
MINES			0.001	0	NR	NR	NR	0
MWMP			0.250	0	0	NR	NR	0
NPDES			0.001	0	NR	NR	NR	0
PEST LIC			0.001	0	NR	NR	NR	0
PROC			0.500	0	0	0	NR	0
Notify 65			1.000	0	0	0	0	0
SAN JOSE HAZMAT			0.250	0	0	NR	NR	0
UIC			0.001	0	NR	NR	NR	0
WASTEWATER PITS			0.500	0	0	0	NR	0
WDS			0.001	0	NR	NR	NR	0
WIP			0.250	0	0	NR	NR	0
EDR MGP			1.000	0	0	0	0	0
EDR Hist Auto			0.125	0	NR	NR	NR	0
EDR Hist Cleaner			0.125	0	NR	NR	NR	0
RGA LF			0.001	0	NR	NR	NR	0
RGA LUST			0.001	0	NR	NR	NR	0

5.3 Methodology of Records Review

Enviro Assessment conducts *Regulatory Agency File and Records Reviews* in accordance with ASTM International Standard E1527-13; sections 8.1.1 through 8.1.8. *The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the property.*

Standard historical sources (8.3.4.1) that are *practically reviewable* (3.2.96) and *publicly available* (3.2.72) have been examined by Enviro Assessment personnel. Records that are not *practically reviewable* were not used to determine any professional opinion in regard to potential impacts to the Property. This review of the *standard historical sources* includes case files that meet the definition requirements of a *recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition*. Please refer

to the EDR and appendices attached to this report for further details. (Terms and definitions in italics denote direct references from ASTM International Standard E1527-13.)

5.4 Subject Property

The Property was listed in the EDR records searched. RESIDENCE – 11226 BUBB RD was listed in the FINDS and SLIC databases. The SLIC database lists this as a cleanup program site with an open site assessment status as of May, 2015. According to a 2015 notification from the County of Santa Clara DEH found via the database's GeoTracker link, prior to the development of the residential structure in 1955, the site consisted of orchards. Soil sampling performed at the site revealed soils impacted with certain organochlorine pesticides above the residential EPA Regional Screening Levels.

5.5 Adjoining Properties

The EDR Report was reviewed for any adjoining sites which may pose a risk of significant environmental concern to the Property. No adjoining properties were listed in the EDR records searched.

5.6 Surrounding Properties

The EDR Report was reviewed for any surrounding sites which may pose a risk of significant environmental concern to the Property. There were no sites of potential environmental concern listed in the EDR Report.

The remaining cases listed in the EDR were for regulatory database listings, permitted facilities listings, closed/remediated cases, and historical database listings; including sites which, based on their distances, are not anticipated to impact the Property. Please refer to the Appendix for further details on these sites.

5.7 Orphan Properties

The Orphan Site List was reviewed. No sites are listed on the Orphan List that are within the search radius of the Property.

5.8 Physical Setting Sources

According to the most recent USGS Topographic maps covering the Property and vicinity, the Property is relatively flat with a slight northeastward slope and lies between 376 and 384 feet above mean sea-level.

5.9 Historical Use Information on the Property and Adjoining Properties

Aerial Photographs

Aerial photographs of the Property were reviewed as part of this investigation. The results are discussed below:

Date	Photo Description
1948	<ul style="list-style-type: none">Property: Consists of orchard land.Adjoining Properties: Consist of orchards to the north, south, and west; a large farm structure to the east and orchards, and a smaller structure to the southeast.Surrounding Area: Bubb Road is visible bordering to the west. The surrounding area consists of orchard land and intermittent rural residential properties.
1953	<ul style="list-style-type: none">Property: Relatively unchanged.Adjoining Properties: Relatively unchanged.Surrounding Area: Several residential properties have been developed to the north.
1960	<ul style="list-style-type: none">Property: The present-day residential structure has been developed.Adjoining Properties: The present-day residence to the north has been developed.Surrounding Area: Relatively unchanged.
1970	<p>Poor quality photo.</p> <ul style="list-style-type: none">Property: Appears relatively unchanged.Adjoining Properties: residences have been developed to the south and southwest. Orchards are still present to the east and west.Surrounding Area: Kzich Place bordering to the north has been developed. The surrounding area has undergone significant residential development, along with the present-day area roads.
1980	<ul style="list-style-type: none">Property: Relatively unchanged.Adjoining Properties: All present-day residential properties have been developed.Surrounding Area: The surrounding area has been developed with all of its present-day structures.
1991	<p>Poor quality photo.</p> <ul style="list-style-type: none">Property: Appears relatively unchanged.Adjoining Properties: Appears relatively unchanged.Surrounding Area: Appears relatively unchanged.

Date	Photo Description
2007	<ul style="list-style-type: none"> Property: A swimming pool, driveway, and landscaping are clearly visible to the north, northwest, and remaining perimeter of the house, respectively. Adjoining Properties: Relatively unchanged. Surrounding Area: Relatively unchanged.
2012	<ul style="list-style-type: none"> Property: Relatively unchanged. Adjoining Properties: Relatively unchanged. Surrounding Area: Relatively unchanged.
2013	<ul style="list-style-type: none"> Property: The landscaped areas to the east/northeast and west/southwest of the house show signs of grading and some trees have been removed. A smaller structure is now visible on the southeastern portion. Adjoining Properties: Relatively unchanged. Surrounding Area: Relatively unchanged.
2016	<ul style="list-style-type: none"> Property: The landscaped areas have filled in with vegetation. Adjoining Properties: Relatively unchanged. Surrounding Area: Relatively unchanged.

These photos are included in the Appendix.

Historical Topographic Maps

Topographic maps of the Property were reviewed as part of this investigation. The results are discussed below:

Date	Map Description
1953	7.55 Minute USGS Topo Map. No structures are represented on the Property or adjoining properties. Several structures are represented to the southwest, as well as to the north/northeast. The Property and surrounding area are depicted as being part of a large orchard area. Other features shown on the map include elevation lines (depicting relatively flat ground at the site, with a slight slope to the northeast), area roads (including Bubb Road bordering to the west, which is depicted as a secondary highway), and natural features.
1961 – Revised 1968 and 1973	7.5 Minute USGS Topo Map. One structure is represented on the Property and the property to the north, respectively. Several additional structures are represented throughout the surrounding area, including a school to the southeast. With the exception of an orchard to the west-northwest, the Property and surrounding area are shaded to represent their inclusion within the city limits of Cupertino. Additional features shown on the map include several area roads and a water treatment plant to the southwest.

Date	Map Description
1991	7.5 Minute Google Earth Pro Topo Map. With the exception of the water plant to the southwest and two schools to the northwest and southeast, respectively, no structures are represented on the Property or surrounding area as they are within the shaded area representing their inclusion within the city limits of Cupertino. All present-day area roads are represented, and a railway is also represented to the northeast.

These maps are included in the Appendix.

Sanborn Fire Insurance Maps

An attempt was made by EDR to obtain Sanborn Insurance Company maps for the period covering the years 1860 through the present in order to determine what types of activities were conducted on the Property and on adjoining properties. Sanborn map coverage was not available for the Property or surrounding area.

City Directories

A search of local historical city directories was conducted by EDR for the Property. The review included directories in five-year intervals from 1971 to 2014 (as available). The results are discussed below:

Date	Listing Description
1971	KRZICH LEWIS J
1975	KRZICH LEWIS J
1980	KRZICH LEWIS J
1986	KRZICH LEWIS J
1992	KRZICH, LEWIS J
1995	KRZICH, LEWIS J
2000	KRZICH L J PIPELINE ENGRG CO KRZICH, JOHN
2005	MIKE YUN QI
2010	MIKE YUN QI NORTH CONSTRUCTION QI, MIKE Y

Date	Listing Description
2014	BALLARD, MELANIE

No other listings were found for the Property; however, please refer to the EDR City Directory Report in the Appendix for the numerous listings for the surrounding properties for more details.

Based on the aerial photos, topographic maps, and City Directory listings of the site, in addition to information obtained while conducting interviews, the Property was developed as part of an orchard sometime before 1948 and was redeveloped in 1955 with the present-day residential structure. An addition/remodel was permitted in the 1980's. Historical use of the site includes, but is not limited to, orchards and a residence.

6. SITE RECONNAISSANCE

A visual reconnaissance of the Property was conducted on November 11, 2017 by Mr. Robinson. A site map and photographs of the Property are attached to this report in the Appendix.

6.1 Methodology and Limiting Conditions

The periphery of the Property was inspected. A detailed inspection was conducted of all major site features visible from the public portions of the Property.

6.2 Exterior and Interior Observations

Observations made during the site visit are summarized in the following table:

Subject Property	Site Visit Observations
Current Use of Property	The Property is currently a single-family residence.
Evidence of Past Uses of Property?	No past use was evident.
Potable Water Source	City water.
Sewage Disposal Source	Public sewer.
Odors?	No odors were identified.
Pools of Liquid?	None observed.
Electric or hydraulic equipment likely to contain PCBs?	None observed on site.

Subject Property	Site Visit Observations
Storage tanks?	None observed.
Drums or other containers?	None observed.
Exterior Observations	
Pits, Ponds, Lagoons?	None observed.
Stained soil or pavement?	None observed.
Solid waste?	Miscellaneous debris observed where the yard has been graded.
Waste water discharge?	None observed.
Wells or septic systems?	None observed.
Vicinity Observations	
Topography of property and vicinity	Site is relatively flat with a slight slope from the central portion to the northeast corner.
Current use of adjoining properties	The adjoining properties consist of single-family residences in all directions.
Evidence of past uses?	None observed.
Current land uses in area	Residential observed.

7. INTERVIEWS

An attempt has been made to obtain historical, as well as current information relative to the Property from several individuals and local agencies. The objective of the interview process is to obtain any information indicating Recognized Environmental Conditions in connection with the project site.

7.1 Interview with Owner or Site Manager

An Environmental Questionnaire and Disclosure Statement was sent to Ray Chen on November 6, 2017 via e-mail. The completed questionnaire was received from Kevin Qi on November 8, 2017 via e-mail. The questionnaire was reviewed, and no significant environmental concerns were noted in the answers provided.

Previous Phase I and Phase II Environmental Assessments were performed in 2013 and 2014, respectively. Phase II conclusions and recommendations stated that “results of this evaluation

demonstrate that a human health cancer risk above DTSC's decision-making threshold and a noncancer hazard index above the target hazard index were found to be associated with the site. The 95th percentile blood lead level estimate associated with the maximum detected lead concentration was found to be below the target child blood lead level. Except where noted above, the areas contributing to the elevated risk and hazard have been identified. Based on the findings of this investigation, a minor response actions at several locations is recommended." The Phase II recommended response was to remove soil within three feet of the structure's foundation to a depth of one foot and dispose of the soil; and to also remove the soil from under the structure after it's demolition. There is an Update to Phase II Environmental Site Assessment letter, dated November 17, 2017, which recommends the same response.

7.2 Interview with Local Government Officials

County of Santa Clara – Department of Environmental Health

The County of Santa Clara Department of Environmental Health was contacted via fax on November 6, 2017 as part of the records review of the Property. We requested any records pertaining to under or above ground storage tanks or hazardous waste issues or contamination of the Property. We sent a follow-up e-mail on November 13, 2017. We received an e-mail on November 14, 2017 from Melissa Belloso, Senior Office Specialist with the Santa Clara DEH, who stated that she was unable to locate records concerning the Property.

County of Santa Clara Assessor

The Santa Clara County Assessor website was searched on November 6, 2017, as part of the records review of the Property. We found a record of the site's land and improvement historical net value. No pertinent information was listed.

City of Cupertino City Clerk

The City of Cupertino City Clerk was contacted via e-mail with a Public Records Request form on November 6, 2017 as part of the records review of the Property. We requested a list of building permits with dates issued and violations, in addition to dates and descriptions of any structures built, remodeled or removed from the Property. We received an e-mail from the department on the

same day, stating that we should have a response no later than Thursday, November 16, 2017. We were also informed in the e-mail that we can look up building permits on the City of Cupertino website, which we did. We located permits pertaining to the installation of a new furnace in 1987 and mechanical and addition work in 1998. We spoke with Grace Schmitt, City Clerk, over the phone on November 16, 2017, who informed us that she has located information and will be e-mailing them shortly. We received a response via e-mail on November 17, 2017 from Lauren Sapudar, Executive Assistant to the City Council, who sent us Code Enforcement documents pertaining to the Property. Documentation included a list of violations pertaining to dead vegetation, overgrowth, noise complaints, and too many people occupying the Property. The date range of the complaints is September 14, 2010 to July 07, 2016. No additional specific information was listed in regard to spills/leaks, contamination, or associated violations.

Santa Clara County Fire Department

The Santa Clara County Fire Department was contacted via fax on November 6, 2017 as part of the records review of the Property. We requested any fire department reports related to under/above ground storage tanks or hazardous waste issues (permitting, tank removal, spillage, or contamination), fire code violations and the date of last inspection. We sent a follow up e-mail to the department on November 13, 2017. As of the date of this report, no response has been received.

GeoTracker / EnviroStor Database Review

The GeoTracker and EnviroStor databases were reviewed on November 6, 2017 for any additional information available in regard to the Property. Documents found in the database revealed the following: Pre-redevelopment assessments in 2015 found soils to be impacted with organochlorine pesticides that were above residential EPA Regional Screening Levels. The impact was determined to be due to the Property's historical use as orchards. Soil removal was proposed.

7.3 Interview with Others

No additional interviews were conducted in this assessment.

8. FINDINGS

The Property is located at 11226 Bubba Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. The Property is currently single-family residence.

The Property was not listed in the EDR Report, in the FINDS and SLIC databases. Please refer to Section 5.4 of this report for additional details.

The EDR Report was reviewed for any adjoining and/or surrounding sites which may pose a risk of significant environmental concern to the Property. There were no adjoining or surrounding sites of potential concern identified in the surrounding area.

The Orphan Site List was reviewed. No sites were listed on the Orphan List that were within the search radius of the Property.

Based on the aerial photos, topographic maps, and City Directory listings of the site, in addition to information obtained while conducting interviews, the Property was developed as part of an orchard sometime before 1948 and was redeveloped in 1955 with the present-day residential structure. An addition/remodel was permitted in the 1980's. Historical use of the site includes, but is not limited to, orchards and a residence.

Interviews were conducted with individuals and local government agencies in an attempt to obtain any information indicating Recognized Environmental Conditions in connection with the Property. Please refer to Section 7 of this report for additional details on these interviews.

Enviro Assessment personnel identified no significant observable contaminated areas on the Property during the site reconnaissance.

9. OPINION

All available standard historical sources have been reviewed in an attempt to identify the likelihood of past uses of the Property and surrounding area, having led to Recognized Environmental

Conditions (RECs) in connection with the site. No significant environmental concerns have been identified based on the historical use of the Property or surrounding area, with the exception of the historical use of the Property and surrounding area as orchards. This is discussed further in the interview paragraph within this section, below.

The Property was listed in the EDR Report. RESIDENCE – 11226 BUBB RD was listed in the FINDS and SLIC databases. The SLIC database lists this as a cleanup program site with an open site assessment status as of May, 2015. According to a 2015 notification from the County of Santa Clara DEH found via the database's GeoTracker link, prior to the development of the residential structure in 1955, the site consisted of orchards. Soil sampling performed at the site revealed soils impacted with certain organochlorine pesticides above the residential EPA Regional Screening Levels. This is discussed further in the interview paragraph within this section, below.

The EDR Report was reviewed for any adjoining, surrounding, or Orphan sites which may pose a risk of significant environmental concern to the Property. Based on the description of the cases, the type of database listings, the amount of past regulatory oversight, and the relative distances to the Property, the sites listed are not anticipated to impact the Property at this time.

Enviro Assessment personnel did not observe any visible RECs related to the Property.

No significant environmental concerns were identified during the interviews conducted for the Property, with the exception of the following:

- Previous Phase I and Phase II Environmental Assessments were performed in 2013 and 2014, respectively. The Phase II revealed minor contaminants found around the perimeter of the residential structure onsite. Conclusions and recommendations stated that “results of this evaluation demonstrate that a human health cancer risk above DTSC’s decision-making threshold and a noncancer hazard index above the target hazard index were found to be associated with the site. The 95th percentile blood lead level estimate associated with the maximum detected lead concentration was found to be below the target child blood lead level.

Except where noted above, the areas contributing to the elevated risk and hazard have been identified. Based on the findings of this investigation, a minor response actions at several locations is recommended.” The Phase II recommended response was to remove soil within three feet of the structure’s foundation to a depth of one foot and dispose of the soil; and to also remove the soil from under the structure after it’s demolition to the same depth. There is an Update to Phase II Environmental Site Assessment letter, dated November 17, 2017, which recommends the same response. Please refer to the GeoTracker database findings, below, for additional discussion.

- Documents found in the GeoTracker database revealed pre-redevelopment assessments in 2015 found soils to be impacted with organochlorine pesticides that were above residential EPA Regional Screening Levels. The impact was determined to be due to the Property’s historical use as orchards. The presence of pesticides above screening levels in the soils on site constitutes a REC.

10. CONCLUSIONS

Enviro Assessment has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International Standard E1527-13 practice for the Property located at 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. Any exceptions to, or deletions from, this practice are described in the Limitations Section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the Property., with the exception of the presence of pesticides and metals above screening levels in the soils due to the Property’s historical use as orchards.

11. DEVIATIONS

No deviations from ASTM International Standard E1527-13 have been noted during the course of this assessment.

12. ADDITIONAL SERVICES

No additional services as listed in the ASTM International Standard E1527-13 have been requested in writing and placed under contract in regard to this assessment; including, but not limited to, asbestos testing of material at the site and possible drug lab uses of the site.

13. REFERENCES

ASTM International Standard E1527-13 – Phase I Standard

Environmental Data Resources, Inc. (EDR®) - Report with Geocheck®

Environmental Data Resources, Inc. (EDR®) – The EDR-City Directory Abstract

Environmental Data Resources, Inc. (EDR®) – Certified Sanborn® Map Report

U.S. Geological Survey – Topographic Maps

Google Earth Pro – USGS-sourced Topographic Maps

Google Earth Pro – Aerial Images

EarthExplorer – Aerial Images

Wikipedia (<https://www.wikipedia.org/>) – Geographical Reference

14. PROFESSIONAL SIGNATURE

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

It has been a pleasure to be of service. If any questions arise, please contact our office.

Sincerely,

ENVIRO ASSESSMENT, PC

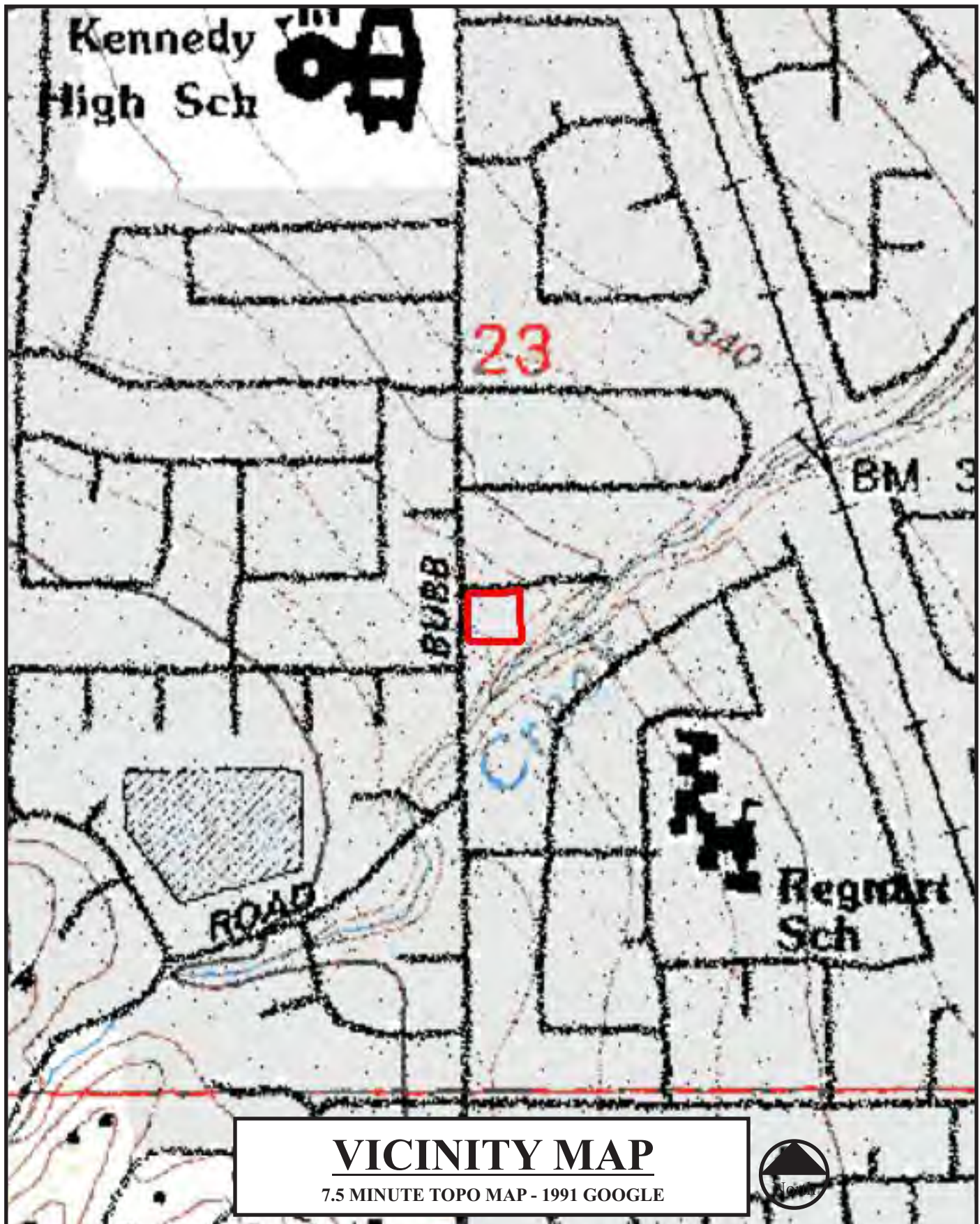
A handwritten signature in black ink, appearing to read 'JD Robinson', is written over a light gray rectangular background.

James D. Robinson
Environmental Professional

LC



APPENDIX



VICINITY MAP

7.5 MINUTE TOPO MAP - 1991 GOOGLE

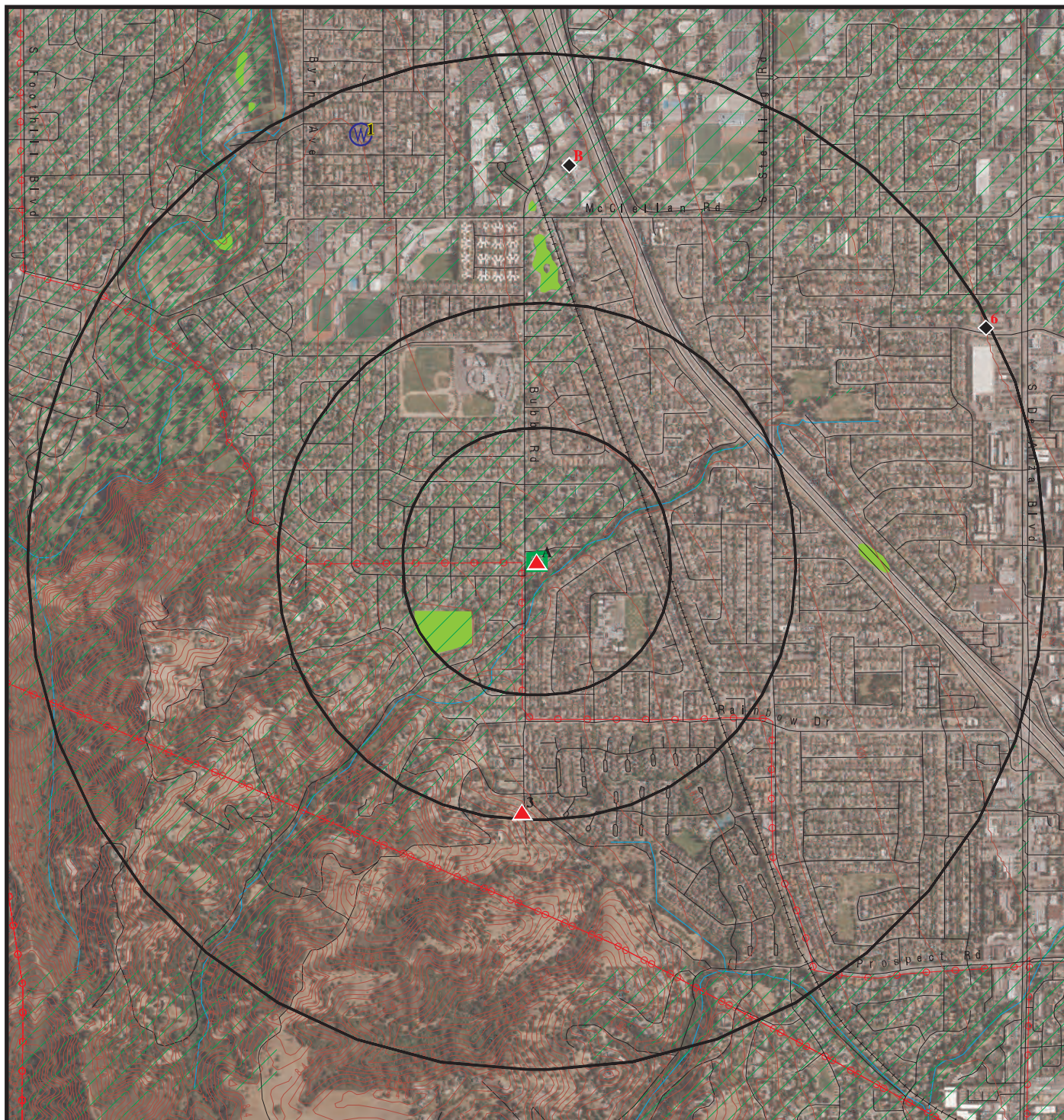


2017-11-008
NOVEMBER 16, 2017
PLATE: A1

PHASE I ENVIRONMENTAL SITE ASSESSMENT
BUBB ROAD PROPERTY
11226 BUBB ROAD
CUPERTINO, CA 95014

ENVIRO
ASSESSMENT, PC
Environmental • Hydro • Geology

PHONE (844) 742-7311 FAX (877) 623-5493



RADIUS SEARCH MAP

NO SCALE

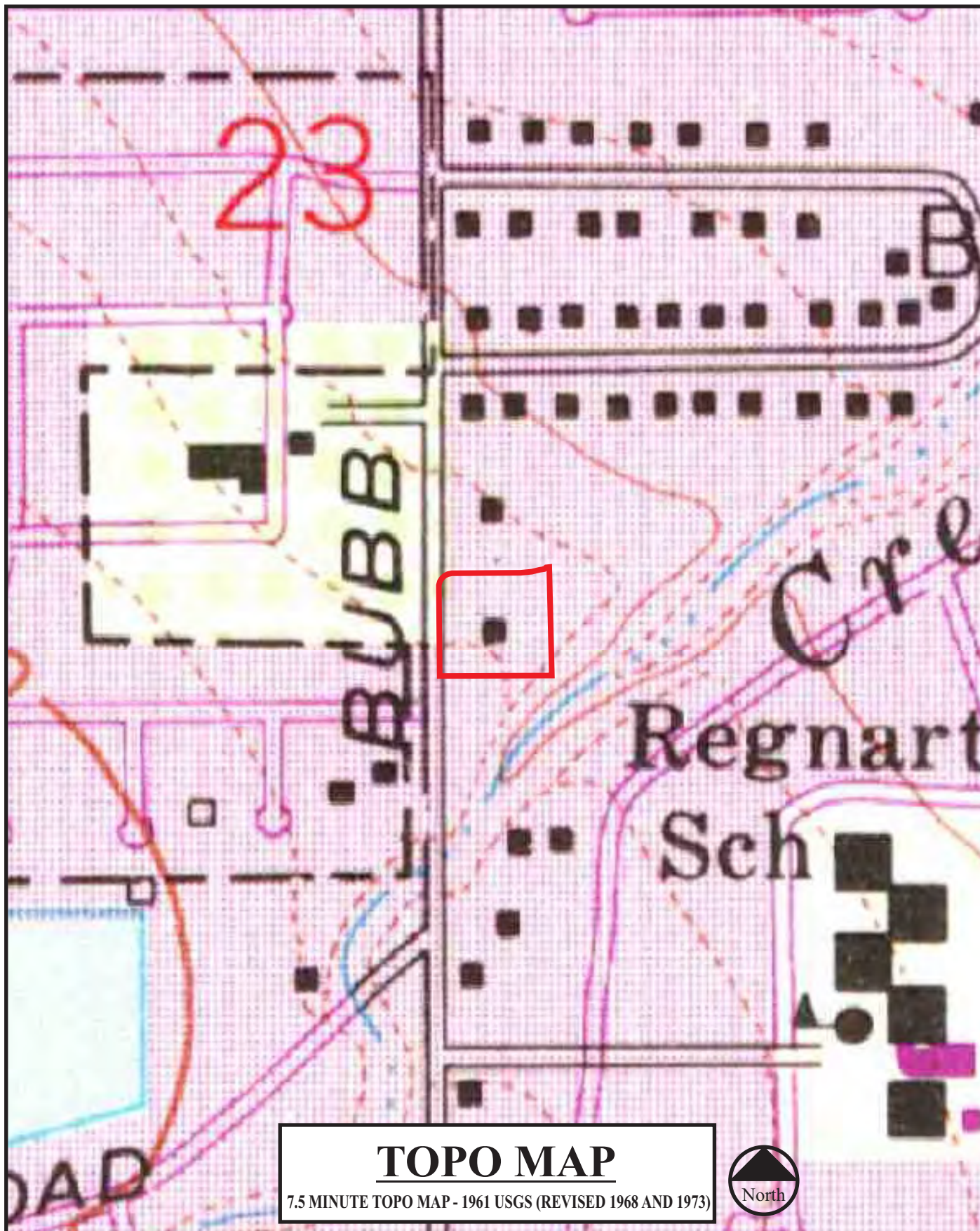


2017-11-008
NOVEMBER 16, 2017
PLATE: A2

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TOPO MAP

7.5 MINUTE TOPO MAP - 1961 USGS (REVISED 1968 AND 1973)

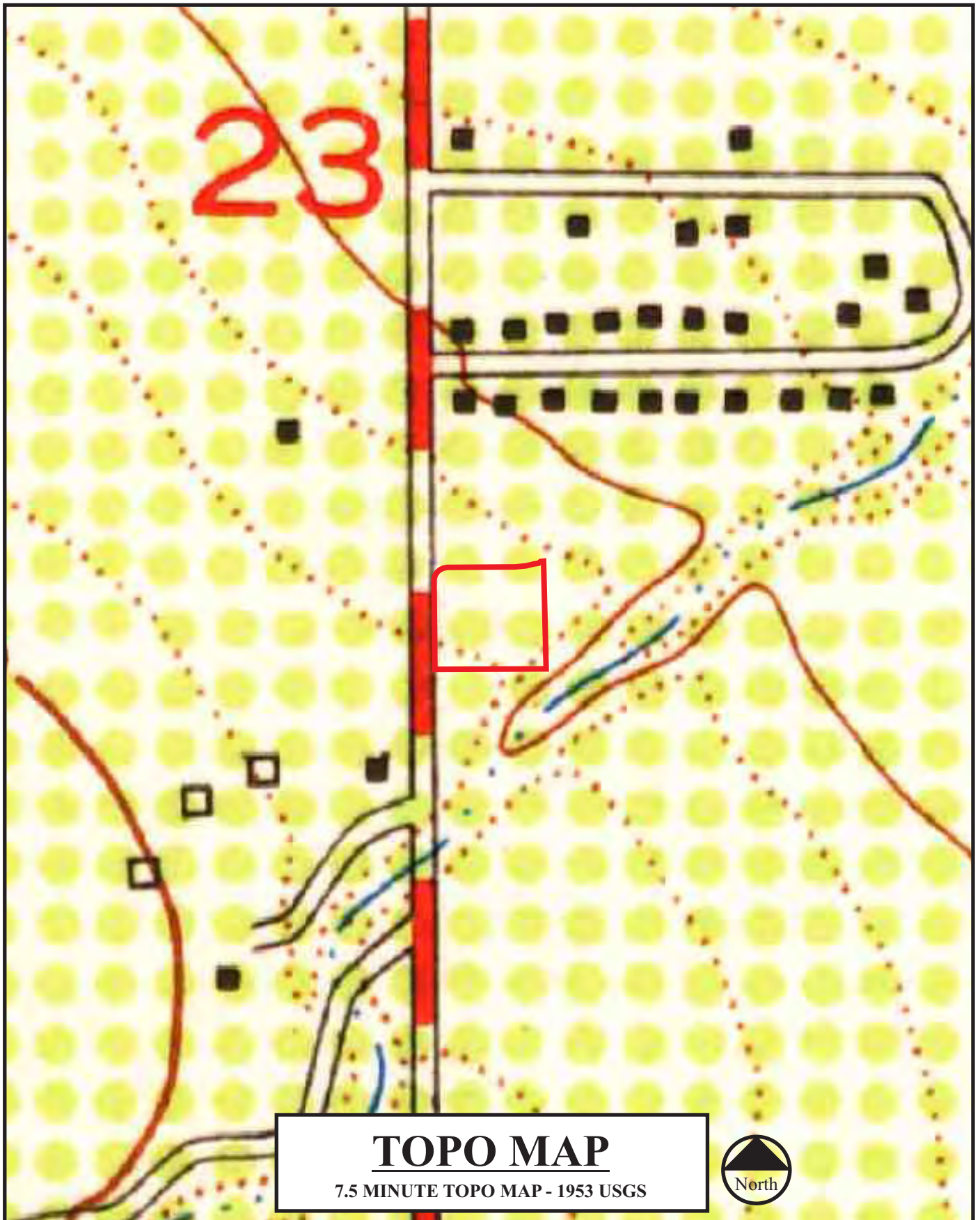


2017-11-008
NOVEMBER 16, 2017
PLATE: A3

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TOPO MAP

7.5 MINUTE TOPO MAP - 1953 USGS

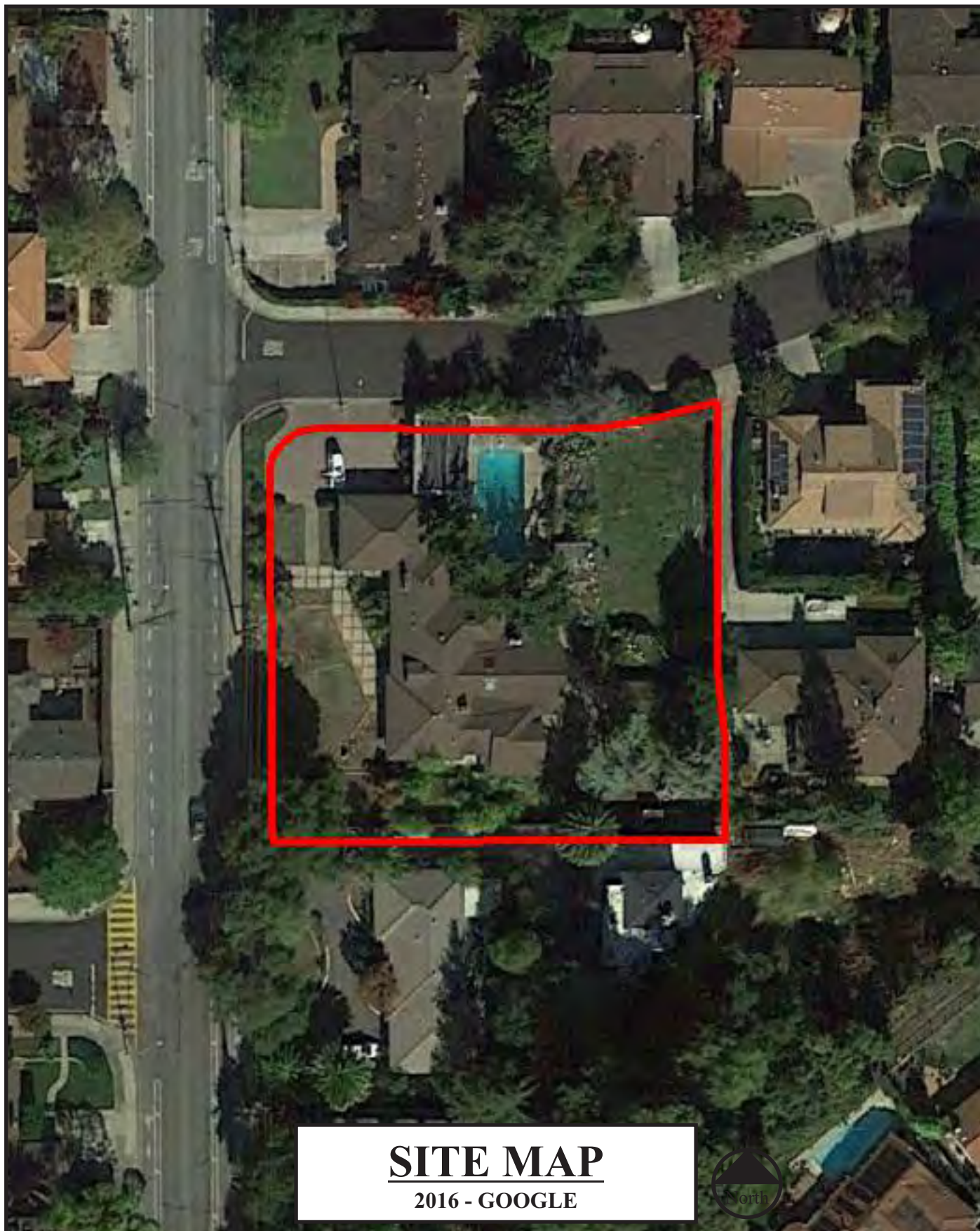


2017-11-008
NOVEMBER 16, 2017
PLATE: A4

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SITE MAP

2016 - GOOGLE



2017-11-008
NOVEMBER 16, 2017
PLATE: B1

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AERIAL PHOTO

2013 - GOOGLE



2017-11-008
NOVEMBER 16, 2017
PLATE: B2

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AERIAL PHOTO

2012 - GOOGLE

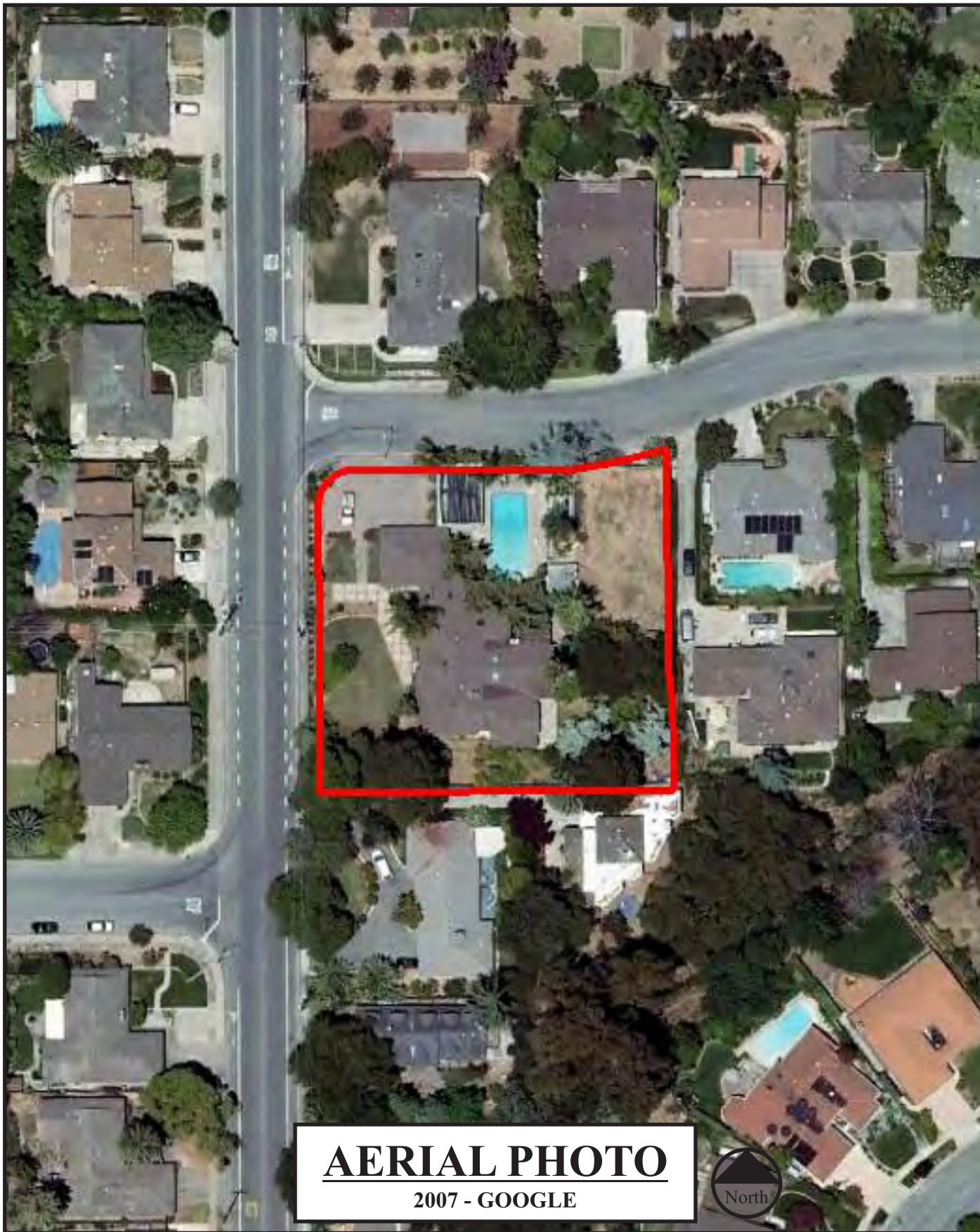


2017-11-008
NOVEMBER 16, 2017
PLATE: B3

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AERIAL PHOTO

2007 - GOOGLE



2017-11-008
NOVEMBER 16, 2017
PLATE: B4

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AERIAL PHOTO

1991 - GOOGLE



2017-11-008
NOVEMBER 16, 2017
PLATE: B5

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AERIAL PHOTO

1980 - USGS



2017-11-008
NOVEMBER 16, 2017
PLATE: B6

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Subject Property Area

AERIAL PHOTO

1970 - USGS



2017-11-008
NOVEMBER 16, 2017
PLATE: B7

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AERIAL PHOTO

1960 - USGS

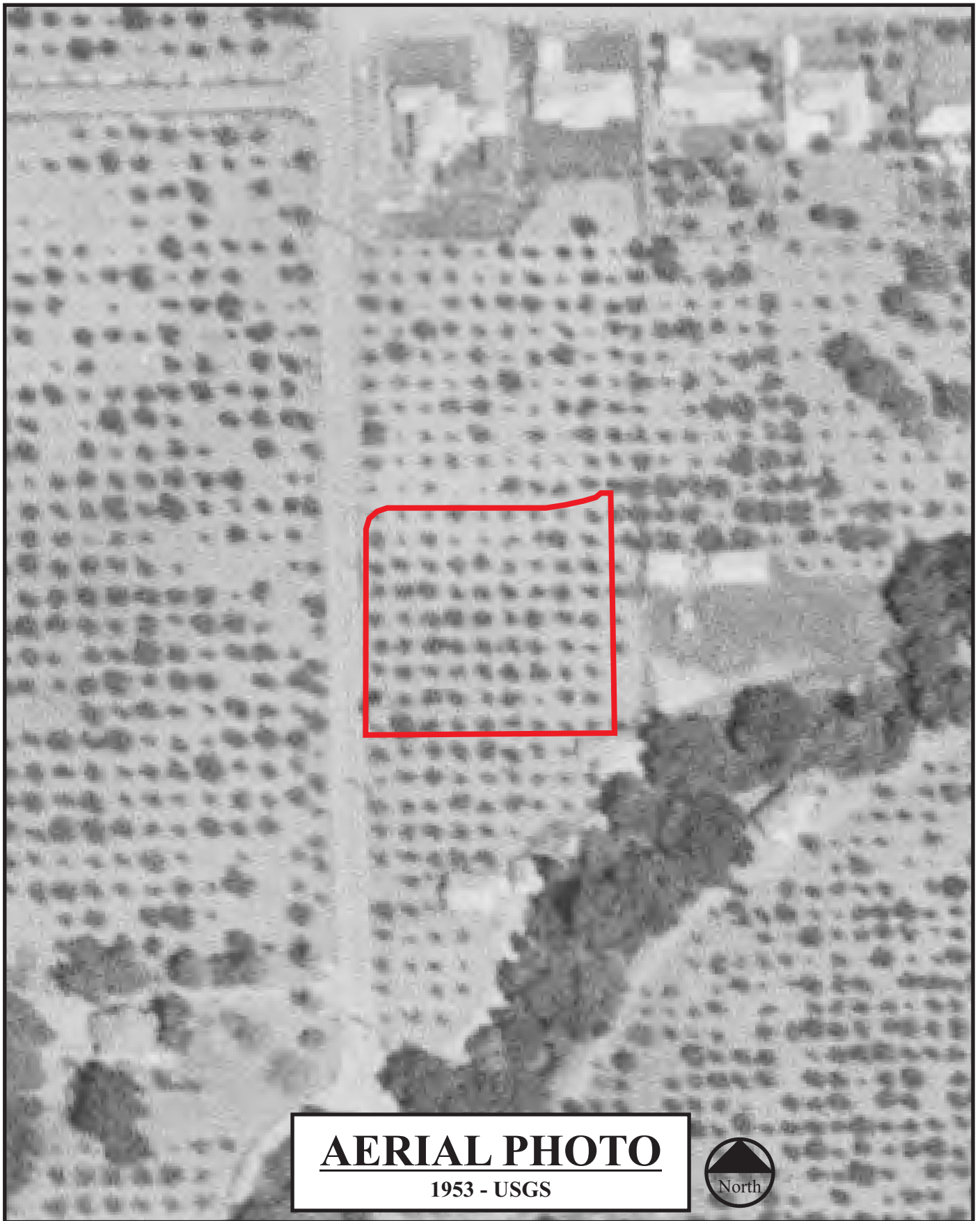


2017-11-008
NOVEMBER 16, 2017
PLATE: B8

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AERIAL PHOTO

1953 - USGS

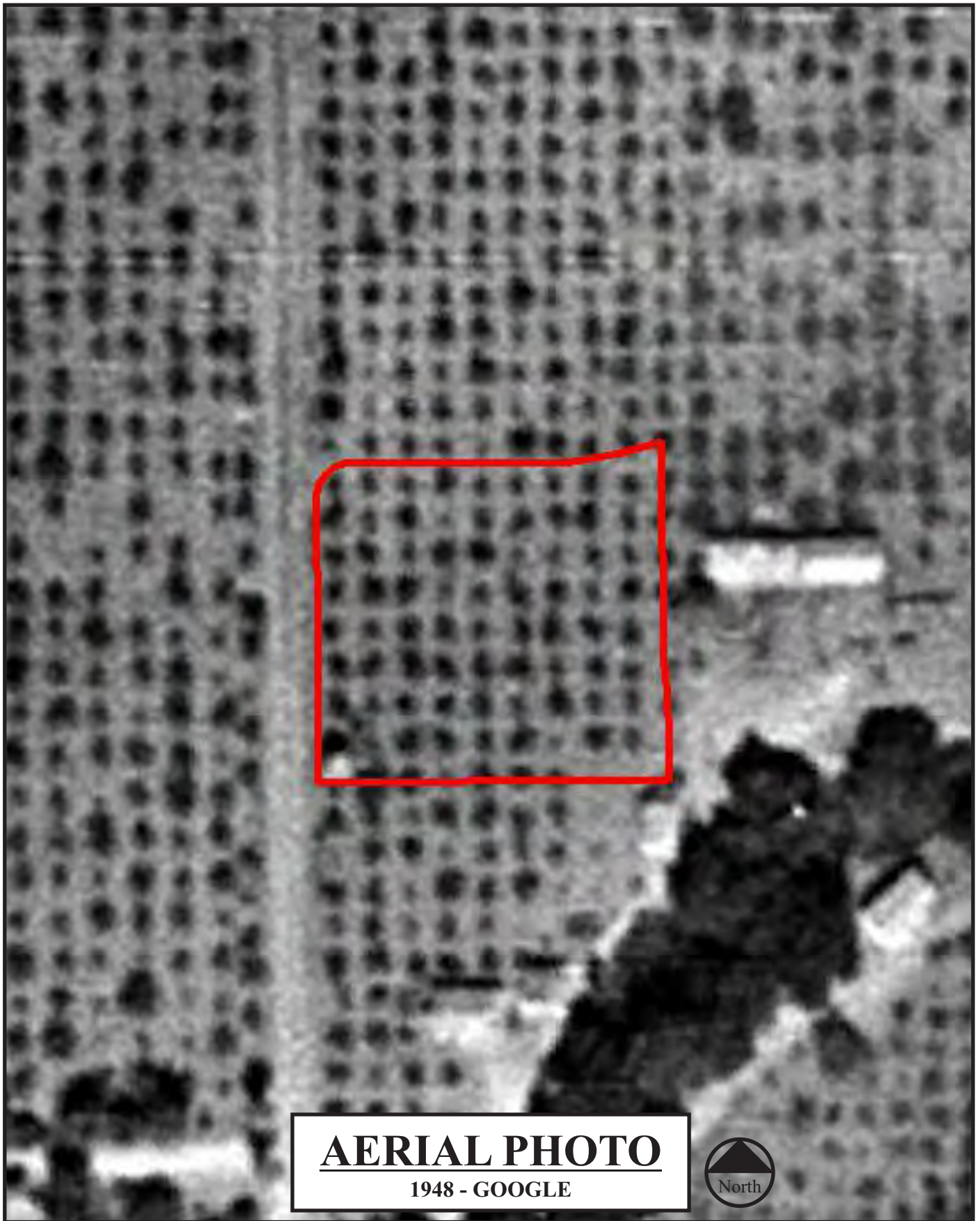


2017-11-008
NOVEMBER 16, 2017
PLATE: B9

PHASE I ENVIRONMENTAL SITE ASSESSMENT
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AERIAL PHOTO

1948 - GOOGLE



2017-11-008
NOVEMBER 16, 2017
PLATE: B10

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ENVIRO ASSESSMENT, PC

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**BUBB ROAD PROPERTY
11226 BUBB ROAD
CUPERTINO, CA 95014**

**PROJECT NUMBER: 2017-11-008
NOVEMBER 11, 2017**



PHOTO 1

View of the north boundary of the Property and Krzich Place.



PHOTO 2

View of the east boudary of the Property.



PHOTO 3

View of north side of the Property. Note the slight slope to the northeast.



PHOTO 4

View of the north side yard gate.



PHOTO 5

View of partially-graded yard area on the eastern portion.



PHOTO 6

View of the northwest corner of the Property.



PHOTO 7

View of an adjoining property to the north.



PHOTO 8

View of the intersection of Bubb Road and Krzich Place, at the northwest corner of the Property.



PHOTO 9

View of the adjoining property to the northwest.

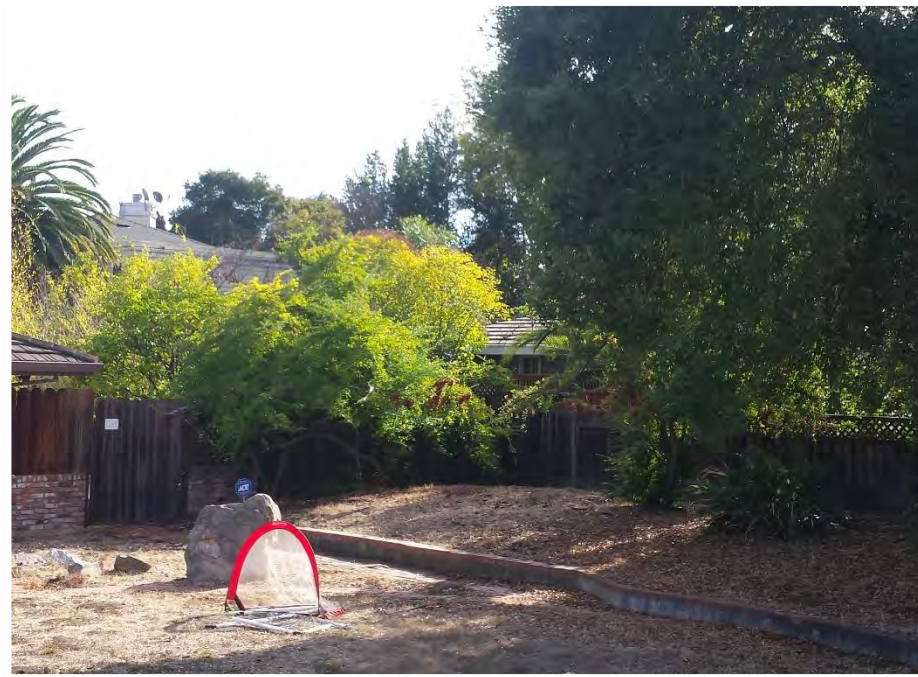


PHOTO 10

View of the yard area on the southwestern portion of the Property.



PHOTO 11

South view of the west boundary of the Property.



PHOTO 12

View of an adjoining property to the west.



PHOTO 13

View of the front yard on the western portion.



PHOTO 14

North view of the northwest boundary and
Bubb Road.

Bubb Road Property

11226 Bubb Road
Cupertino, CA 95014

Inquiry Number: 5100065.2s
November 07, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

11226 BUBB ROAD
CUPERTINO, CA 95014

COORDINATES

Latitude (North):	37.3055890 - 37° 18' 20.12"
Longitude (West):	122.0499840 - 122° 2' 59.94"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	584192.3
UTM Y (Meters):	4128992.2
Elevation:	379 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640178 CUPERTINO, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606, 20140608
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
11226 BUBB ROAD
CUPERTINO, CA 95014

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	RESIDENCE - 11226 BU	11226 BUBB ROAD	FINDS		TP
A2	RESIDENCE - 11226 BU	11226 BUBB ROAD	SLIC		TP
3	SEVEN SPRINGS RANCH	11801 DOROTHY ANN WA	LUST, HIST CORTESE	Higher	2559, 0.485, South
B4	TECHNOLOGY DEVELOPME	10460 BUBB RD	ENVIROSTOR, SLIC, HIST UST, HWP	Lower	4102, 0.777, North
B5	CANDESCENT TECHNOLOG	10460 BUBB RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	4102, 0.777, North
6	DELIA'S CLEANERS	7335 BOLINGER ROAD	RESPONSE, ENVIROSTOR, Cortese	Lower	5225, 0.990, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
RESIDENCE - 11226 BU 11226 BUBB ROAD CUPERTINO, CA 95014	FINDS Registry ID:: 110065729698	N/A
RESIDENCE - 11226 BU 11226 BUBB ROAD CUPERTINO, CA 95014	SLIC Database: SLIC, Date of Government Version: 06/12/2017 Facility Status: Open - Site Assessment Global Id: T10000006803	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
HIST LUST..... HIST LUST - Fuel Leak Site Activity Report

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

EXECUTIVE SUMMARY

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing
HIST UST..... Hazardous Substance Storage Container Database
CA FID UST..... Facility Inventory Database

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data

EXECUTIVE SUMMARY

COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
SAN JOSE HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historic Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historic Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CANDESCENT TECHNOLOG</i>	<i>10460 BUBB RD</i>	<i>N 1/2 - 1 (0.777 mi.)</i>	<i>B5</i>	<i>15</i>

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DELIA'S CLEANERS</i>	<i>7335 BOLINGER ROAD</i>	<i>ENE 1/2 - 1 (0.990 mi.)</i>	<i>6</i>	<i>23</i>
Database: RESPONSE, Date of Government Version: 07/31/2017				
Status: Active				
Facility Id: 60000349				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State

EXECUTIVE SUMMARY

Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/31/2017 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TECHNOLOGY DEVELOPME Facility Id: 80001679 Facility Id: 71002580 Status: Inactive - Needs Evaluation	10460 BUBB RD	N 1/2 - 1 (0.777 mi.)	B4	10
DELIA'S CLEANERS Facility Id: 60000349 Status: Active	7335 BOLINGER ROAD	ENE 1/2 - 1 (0.990 mi.)	6	23

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN SPRINGS RANCH Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed Date Closed: 05/31/1996 Global Id: T0608501938 SCVWD ID: 07S2W26G01F	11801 DOROTHY ANN WA	S 1/4 - 1/2 (0.485 mi.)	3	9

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN SPRINGS RANCH	11801 DOROTHY ANN WA	S 1/4 - 1/2 (0.485 mi.)	3	9

EXECUTIVE SUMMARY

Reg Id: 43-2110

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/21/2017 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

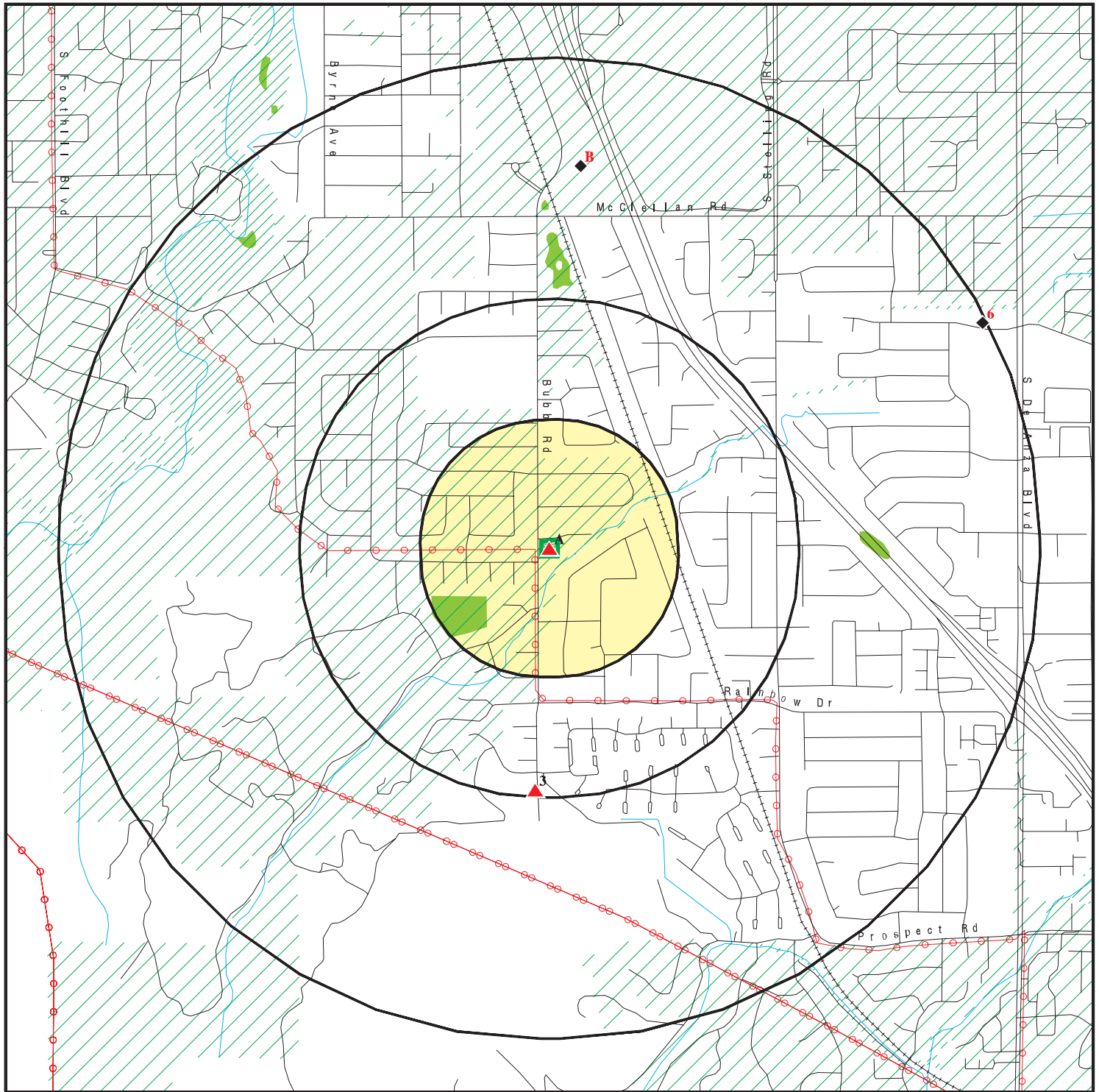
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TECHNOLOGY DEVELOPME EPA Id: CAD076314459 Cleanup Status: CLOSED	10460 BUBB RD	N 1/2 - 1 (0.777 mi.)	B4	10













EXECUTIVE SUMMARY



Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
COCHRANE PLAZA CHEVROLET	LUST

OVERVIEW MAP - 5100065.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

-  Upgradient Area
-  Areas of Concern

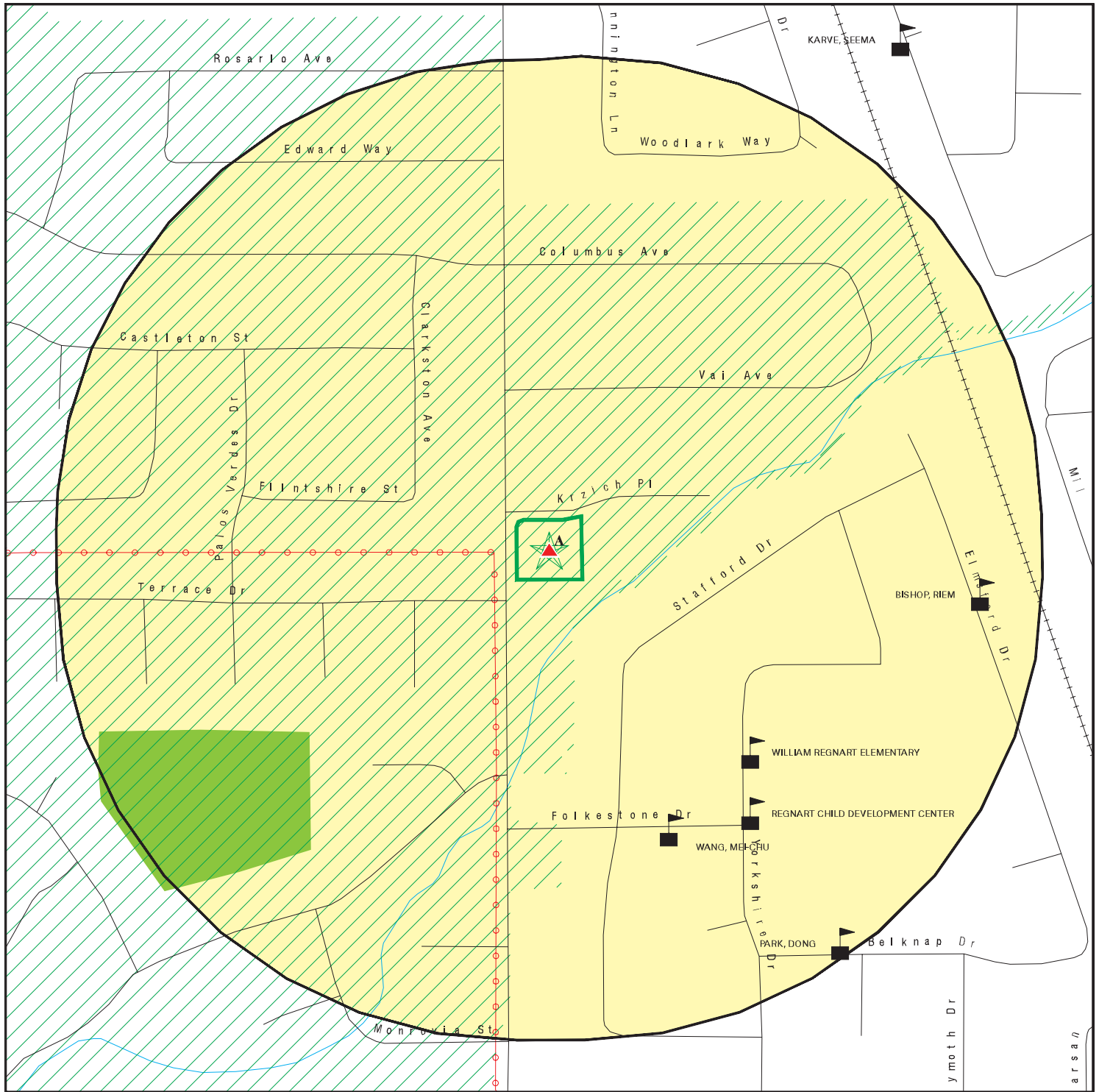


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bubb Road Property
 ADDRESS: 11226 Bubb Road
 Cupertino CA 95014
 LAT/LONG: 37.305589 / 122.049984

CLIENT: Enviro Assess
 CONTACT: Teresa Robertson
 INQUIRY #: 5100065.2s
 DATE: November 07, 2017 2:18 pm

DETAIL MAP - 5100065.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bubb Road Property
 ADDRESS: 11226 Bubb Road
 Cupertino CA 95014
 LAT/LONG: 37.305589 / 122.049984

CLIENT: Enviro Assess
 CONTACT: Teresa Robertson
 INQUIRY #: 5100065.2s
 DATE: November 07, 2017 2:20 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	1	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	2	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500	1	0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	1
HIST LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
SAN JOSE HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		2	0	0	2	5	0	9
-------------	--	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
Target
Property
RESIDENCE - 11226 BUBB RD
11226 BUBB ROAD
CUPERTINO, CA 95014

FINDS **1023282268**
N/A

Site 1 of 2 in cluster A

Actual:
379 ft.

FINDS:

Registry ID: 110065729698

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

A2
Target
Property
RESIDENCE - 11226 BUBB RD
11226 BUBB ROAD
CUPERTINO, CA 95014

SLIC **S117898001**
N/A

Site 2 of 2 in cluster A

Actual:
379 ft.

SLIC:

Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 05/07/2015
Global Id: T10000006803
Lead Agency: SANTA CLARA COUNTY LOP
Lead Agency Case Number: 07S2W23K01s
Latitude: 37.30558
Longitude: -122.04998
Case Type: Cleanup Program Site
Case Worker: CH
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Soil
Potential Contaminants of Concern: Chlordane, Other Insecticides / Pesticide / Fumigants / Herbicides,
Lead, Other Metal
Site History: Single family residence which was constructed in 1955. Prior to that
time, orchards were present on the site. Prior to subdividing the
property, shallow soil sampling was conducted and reported elevated
concentrations of Lead, Cadmium, Chlordane, Dieldrin, Heptachlor
Epoxide, and Methoxychlor. There is a heritage tree onsite that will
need to remain.

[Click here](#) to access the California GeoTracker records for this facility:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3
South
1/4-1/2
0.485 mi.
2559 ft.

SEVEN SPRINGS RANCH
11801 DOROTHY ANN WAY
CUPERTINO, CA 95014

LUST **S104541978**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
463 ft.

Region: STATE
Global Id: T0608501938
Latitude: 37.298295
Longitude: -122.050672
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/31/1996
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: UST
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608501938
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608501938
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 Berger Drive, Suite 300
City: SAN JOSE
Email: Not reported
Phone Number: 4089183400

Status History:

Global Id: T0608501938
Status: Completed - Case Closed
Status Date: 05/31/1996

Global Id: T0608501938
Status: Open - Case Begin Date
Status Date: 10/20/1994

Global Id: T0608501938
Status: Open - Site Assessment
Status Date: 10/20/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN SPRINGS RANCH (Continued)

S104541978

Regulatory Activities:

Global Id: T0608501938
Action Type: ENFORCEMENT
Date: 05/31/1996
Action: Closure/No Further Action Letter

Global Id: T0608501938
Action Type: Other
Date: 10/17/1995
Action: Leak Reported

Global Id: T0608501938
Action Type: ENFORCEMENT
Date: 10/31/1995
Action: Notice of Responsibility - #39425

Global Id: T0608501938
Action Type: RESPONSE
Date: 05/31/1996
Action: Other Report / Document

LUST SANTA CLARA:

Region: SANTA CLARA
SCVWD ID: 07S2W26G01F
Date Closed: 05/31/1996
EDR Link ID: 07S2W26G01F

HIST CORTESE:

Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-2110

B4
North
1/2-1
0.777 mi.
4102 ft.

TECHNOLOGY DEVELOPMENT CENTER
10460 BUBB RD
CUPERTINO, CA 95014

Site 1 of 2 in cluster B

ENVIROSTOR
SLIC
HIST UST
HWP

U001601015
N/A

Relative:
Lower

ENVIROSTOR:

Facility ID: 80001679
Status: Inactive - Needs Evaluation
Status Date: 01/01/2008
Site Code: 520046
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 28
Senate: 15

Actual:
325 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNOLOGY DEVELOPMENT CENTER (Continued)

U001601015

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.31621
Longitude: -122.0492
APN: 357-20-037
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Zilog
Alias Type: Alternate Name
Alias Name: 357-20-037
Alias Type: APN
Alias Name: CAD076314459
Alias Type: EPA Identification Number
Alias Name: 110002658507
Alias Type: EPA (FRS #)
Alias Name: 520046
Alias Type: Project Code (Site Code)
Alias Name: 80001679
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/21/1998
Comments: RCRA Facility Assessment Completed, site formerly known as Zilog, Inc.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 07/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Other Instrument
Completed Date: 04/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 07/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNOLOGY DEVELOPMENT CENTER (Continued)

U001601015

Completed Document Type: Human Exposure Controlled
Completed Date: 04/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/01/1987
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71002580
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Assembly: 28
Senate: 15
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.31629
Longitude: -122.0494
APN: 35720037
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 35720037
Alias Type: APN
Alias Name: CAD076314459
Alias Type: EPA Identification Number
Alias Name: 110002658507
Alias Type: EPA (FRS #)
Alias Name: 71002580
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNOLOGY DEVELOPMENT CENTER (Continued)

U001601015

Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/06/2012
Global Id: T0608591673
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.302688
Longitude: -122.050181
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: 43S0712
File Location: Not reported
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: * Solvents
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

File Number: 00020ADC
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020ADC.pdf>
Region: STATE
Facility ID: 00000020439
Facility Type: Other
Other Type: SEMICONDUCTOR
Contact Name: Not reported
Telephone: 4083708000
Owner Name: ZILOG, INC.
Owner Address: 1315 DELL AVE.
Owner City,St,Zip: CAMPBELL, CA 95008
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNOLOGY DEVELOPMENT CENTER (Continued)

U001601015

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00000600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 003
Container Num: 3
Year Installed: 1979
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well, Sensor Instrument

Tank Num: 005
Container Num: 5
Year Installed: 1980
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well, Sensor Instrument

[Click here for Geo Tracker PDF:](#)

HWP:

EPA Id: CAD076314459
Cleanup Status: CLOSED
Latitude: 37.31632
Longitude: -122.0493
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 520046
Assembly District: 28
Senate District: 15
Public Information Officer: Not reported
Public Information Officer: Not reported

Closure:

EPA Id: CAD076314459
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNOLOGY DEVELOPMENT CENTER (Continued)

U001601015

Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 10/13/1988

EPA Id: CAD076314459
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 10/13/1988

Alias:
EPA Id: CAD076314459
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110002658507

EPA Id: CAD076314459
Facility Type: Historical - Non-Operating
Alias Type: APN
Alias: 35720037

EPA Id: CAD076314459
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 520046

B5
North
1/2-1
0.777 mi.
4102 ft.
Site 2 of 2 in cluster B

CANDESCENT TECHNOLOGIES CORP
10460 BUBB RD
CUPERTINO, CA 95014

SEMS-ARCHIVE 1000332458
CORRACTS CAD076314459
RCRA-TSDF
RCRA NonGen / NLR
2020 COR ACTION
FINDS
ECHO
HAZNET

Relative:
Lower

Actual:
325 ft.
SEMS-ARCHIVE:
Site ID: 901588
EPA ID: CAD076314459
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0901588
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13286165.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291760.00000
Person ID: 13003858.00000

Contact Sequence ID: 13297618.00000
Person ID: 13004003.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 05/01/86
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 11/01/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/01/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19871101
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070410
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 20070410
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070410
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 20070410
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070410
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20070410

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: DRUM STORAGE AREA

Actual Date: 20070712

Action: CA550RC

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20070712

Action: CA550RC

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20070712

Action: CA550RC

NAICS Code(s): Not reported

Original schedule date: 20070712

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: SOLVENT TANK

Actual Date: 20070712

Action: CA550RC

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD076314459

EPA Region: 09

Area Name: SPILL CONTAINMENT TANKS

Actual Date: 20070712

Action: CA550RC

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

EPA ID: CAD076314459
EPA Region: 09
Area Name: ACID NEUTRALIZATION SYSTEM
Actual Date: 20070712
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: GASOLINE TANK
Actual Date: 20070712
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070712
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070712
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: 20070712
Schedule end date: Not reported

EPA ID: CAD076314459
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20090924
Action: CA800YE
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 03/03/1997
Facility name: CANDESCENT TECHNOLOGIES CORP
Facility address: 10460 BUBB RD
CUPERTINO, CA 95014
EPA ID: CAD076314459
Contact: AGATA SULCZYNSKI
Contact address: 6580 VIA DEL ORO
SAN JOSE, CA 95119
Contact country: US
Contact telephone: 408-229-6150
Contact email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

EPA Region: 09
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BERG AND BERG DEVELOPERS
Owner/operator address: 10050 BANDLEY DR
CUPERTINO, CA 95014
Owner/operator country: Not reported
Owner/operator telephone: 408-725-0700
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ZILOG INC
Owner/operator address: 1315 DELL AVENUE
NOT REQUIRED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 408-370-8000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: CANDESCENT TECHNOLOGIES CORP
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

Corrective Action Summary:

Event date:	11/01/1987
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	11/01/1987
Event:	PA OR CERCLA INSPECTION
Event date:	11/01/1987
Event:	NCAPS RANKING/PRIORITY
Event date:	01/01/1990
Event:	LEAD AGENCY DETERMINATION
Event date:	04/10/2007
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2007
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2007
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	04/10/2007
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	07/12/2007
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	07/12/2007
Event:	REMEDY DECISION
Event date:	07/12/2007
Event:	REMEDY DECISION
Event date:	07/12/2007
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	09/24/2009
Event:	READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Violation Status: No violations found

2020 COR ACTION:

EPA ID:	CAD076314459
Region:	9
Action:	Remedy Constructed

FINDS:

Registry ID: 110032746125

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000332458
Registry ID: 110032746125
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110032746125>

HAZNET:

envid: 1000332458
Year: 1997
GEPaid: CAD076314459
Contact: CANDESCENT TECHNOLOGIES CORP
Telephone: 4083602707
Mailing Name: Not reported
Mailing Address: 6580 VIA DEL ORO
Mailing City,St,Zip: SAN JOSE, CA 951191201
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Recycler
Tons: .6801
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Clara

envid: 1000332458
Year: 1997
GEPaid: CAD076314459
Contact: CANDESCENT TECHNOLOGIES CORP
Telephone: 4083602707
Mailing Name: Not reported
Mailing Address: 6580 VIA DEL ORO
Mailing City,St,Zip: SAN JOSE, CA 951191201
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Recycler
Tons: .4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Clara

envid: 1000332458
Year: 1997
GEPaid: CAD076314459
Contact: CANDESCENT TECHNOLOGIES CORP
Telephone: 4083602707
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANDESCENT TECHNOLOGIES CORP (Continued)

1000332458

Mailing Address: 6580 VIA DEL ORO
Mailing City,St,Zip: SAN JOSE, CA 951191201
Gen County: Not reported
TSD EPA ID: UTD981552177
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Not reported
Tons: .0645
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Clara

envid: 1000332458
Year: 1997
GEPAID: CAD076314459
Contact: CANDESCENT TECHNOLOGIES CORP
Telephone: 4083602707
Mailing Name: Not reported
Mailing Address: 6580 VIA DEL ORO
Mailing City,St,Zip: SAN JOSE, CA 951191201
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Tons: .1135
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Clara

envid: 1000332458
Year: 1997
GEPAID: CAD076314459
Contact: CANDESCENT TECHNOLOGIES CORP
Telephone: 4083602707
Mailing Name: Not reported
Mailing Address: 6580 VIA DEL ORO
Mailing City,St,Zip: SAN JOSE, CA 951191201
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Tons: 1.9120
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Clara

[Click this hyperlink](#) while viewing on your computer to access
38 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

6
ENE
1/2-1
0.990 mi.
5225 ft.

DELIA'S CLEANERS
7335 BOLINGER ROAD
CUPERTINO, CA 95014

RESPONSE
ENVIROSTOR
Cortese

1002851289
N/A

Relative:
Lower

Actual:
260 ft.

RESPONSE:
Facility ID: 60000349
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Henry Chui
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Site Code: 201670
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 28
Senate: 15
Special Program Status: Not reported
Status: Active
Status Date: 10/26/2006
Restricted Use: NO
Funding: Responsible Party
Latitude: 37.31256
Longitude: -122.0335
APN: 359-23-018
Past Use: DRY CLEANING
Potential COC : Tetrachloroethylene (PCE
Confirmed COC: Tetrachloroethylene (PCE
Potential Description: OTH, SOIL
Alias Name: One Price Cleaners
Alias Type: Alternate Name
Alias Name: 359-23-018
Alias Type: APN
Alias Name: CAD981413248
Alias Type: EPA Identification Number
Alias Name: 110033617557
Alias Type: EPA (FRS #)
Alias Name: 201670
Alias Type: Project Code (Site Code)
Alias Name: 60000349
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/29/2007
Comments: First Amendment to VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2016
Comments: DTSC letter with oversight cost estimate for project activities for fiscal year 2016/2017. The anticipated project activities include a pilot testing fieldwork and a report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/22/2006
Comments: Additional Site Investigation Workplan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/16/2008
Comments: Report approved, with requested modifications to be submitted as replacement pages.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/17/2007
Comments: Soil vapor and groundwater sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/28/2007
Comments: Workplan to conduct indoor air sampling approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/13/2007
Comments: Indoor air sampling conducted on 11/13/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/02/2008
Comments: Report approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2008
Comments: Report reviewed and found to be adequate.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/28/2008
Comments: Workplan for additional indoor air monitoring at the site and utility corridor soil gas sampling approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/11/2008
Comments: Utility Corridor field work completed. Indoor Air sampling scheduled for 10/21/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/29/2008
Comments: Work Notice for soil gas sampling portion of this phase of investigation finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/24/2009
Comments: Groundwater monitoring data consistent with previous sampling, low levels of PCE (around 20 ppb) continue to be detected in groundwater beneath the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/24/2009
Comments: started today

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/17/2010
Comments: Final RAW accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/24/2009
Comments: public notice started

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/13/2009
Comments: Community profile approved by DTSC public participation staff.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/16/2012
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 09/22/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 07/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/15/2016
Comments: The subslab sampling that was outlined in the Removal Action Status Update, Groundwater Monitoring Results Report, and Sub-Slab Vapor Sampling Work Plan, approved by DTSC on November 10, 2015 was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2016
Comments: Tech Memo proposing to conduct pilot testing of the existing sub-slab vent piping network and shallow soil vapor extraction and air-injection wells to address the residual tetrachloroethene contamination in shallow soil at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/20/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Completed Date: 03/17/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/26/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 01/01/2018
Schedule Revised Date: 04/20/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/15/2018
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 60000349
Status: Active
Status Date: 10/26/2006
Site Code: 201670
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Henry Chui
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 28
Senate: 15
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.31256
Longitude: -122.0335
APN: 359-23-018
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE)
Confirmed COC: Tetrachloroethylene (PCE)
Potential Description: OTH, SOIL
Alias Name: One Price Cleaners
Alias Type: Alternate Name
Alias Name: 359-23-018
Alias Type: APN
Alias Name: CAD981413248
Alias Type: EPA Identification Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Alias Name: 110033617557
Alias Type: EPA (FRS #)
Alias Name: 201670
Alias Type: Project Code (Site Code)
Alias Name: 60000349
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/29/2007
Comments: First Amendment to VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
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Completed Date: 04/17/2007
Comments: Soil vapor and groundwater sampling completed.

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Completed Sub Area Name: Not reported
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Completed Date: 09/28/2007
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/13/2007
Comments: Indoor air sampling conducted on 11/13/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/02/2008
Comments: Report approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2008
Comments: Report reviewed and found to be adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/28/2008
Comments: Workplan for additional indoor air monitoring at the site and utility corridor soil gas sampling approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/11/2008
Comments: Utility Corridor field work completed. Indoor Air sampling scheduled for 10/21/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/29/2008
Comments: Work Notice for soil gas sampling portion of this phase of investigation finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
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Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/24/2009
Comments: started today

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Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/17/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Comments: Final RAW accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
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Comments: public notice started

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Completed Date: 02/13/2009
Comments: Community profile approved by DTSC public participation staff.

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Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 09/22/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 07/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/15/2016
Comments: The subslab sampling that was outlined in the Removal Action Status Update, Groundwater Monitoring Results Report, and Sub-Slab Vapor Sampling Work Plan, approved by DTSC on November 10, 2015 was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Comments: Tech Memo proposing to conduct pilot testing of the existing sub-slab vent piping network and shallow soil vapor extraction and air-injection wells to address the residual tetrachloroethene contamination in shallow soil at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/20/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/17/2010
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/26/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 01/01/2018
Schedule Revised Date: 04/20/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/15/2018
Schedule Revised Date: Not reported

CORTESE:

Region: CORTESE
Envirostor Id: 60000349
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 10/26/2006
Site Code: 201670
Latitude: 37.312569
Longitude: -122.03358
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELIA'S CLEANERS (Continued)

1002851289

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Unit Name:	Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN JOSE	S107995677	COCHRANE PLAZA CHEVROLET	19490 MONTEREY RD		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/06/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/21/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/28/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 11/03/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017	Source: EPA
Date Data Arrived at EDR: 09/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/08/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/31/2017

Date Data Arrived at EDR: 08/01/2017

Date Made Active in Reports: 08/15/2017

Number of Days to Update: 14

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/31/2017

Date Data Arrived at EDR: 08/01/2017

Date Made Active in Reports: 08/15/2017

Number of Days to Update: 14

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/14/2017

Date Data Arrived at EDR: 08/17/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/17/2017

Next Scheduled EDR Contact: 11/27/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017
Date Data Arrived at EDR: 06/14/2017
Date Made Active in Reports: 08/22/2017
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3372
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017	Source: EPA Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/23/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/12/2017
Date Data Arrived at EDR: 06/14/2017
Date Made Active in Reports: 08/23/2017
Number of Days to Update: 70

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/01/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 10/31/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/25/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 06/28/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/20/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 05/31/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 76

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/20/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/01/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 06/02/2017
Date Data Arrived at EDR: 06/06/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 80

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/02/2017
Date Data Arrived at EDR: 06/06/2017
Date Made Active in Reports: 08/22/2017
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/05/2017	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/06/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/10/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/21/2017	Telephone: 202-366-4555
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/26/2017	Telephone: 916-845-8400
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/22/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/25/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017
Date Data Arrived at EDR: 05/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 121

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/03/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/13/2017
Number of Days to Update: 126	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/11/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/16/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/03/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/26/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/05/2017	Telephone: 202-343-9775
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/02/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 24

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 133

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2017	Telephone: 202-564-0527
Date Made Active in Reports: 11/03/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 261	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017	Source: EPA
Date Data Arrived at EDR: 08/17/2017	Telephone: 800-385-6164
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/21/2017	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/21/2017	Telephone: 916-323-3400
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/08/2017	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2017	Last EDR Contact: 08/08/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	Source: California Air Resources Board
Date Data Arrived at EDR: 03/21/2017	Telephone: 916-322-2990
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 09/22/2017
Number of Days to Update: 147	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/18/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/22/2017	Telephone: 916-445-9379
Date Made Active in Reports: 10/24/2017	Last EDR Contact: 11/01/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/21/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/25/2017	Telephone: 916-255-3628
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/15/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/22/2017	Telephone: 916-341-6066
Date Made Active in Reports: 10/25/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 10/10/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/21/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/22/2017	Telephone: 877-786-9427
Date Made Active in Reports: 10/25/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/22/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/10/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/01/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/25/2017
Date Data Arrived at EDR: 06/06/2017
Date Made Active in Reports: 08/23/2017
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/14/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/07/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 79

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 10/18/2017
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/16/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 119

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 09/22/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2017
Date Data Arrived at EDR: 07/11/2017
Date Made Active in Reports: 08/23/2017
Number of Days to Update: 43

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2017
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 49

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 04/27/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 104

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/05/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 66

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 63

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 30

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/26/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 07/21/2017
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 44

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/22/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 24

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 74

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/24/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 82

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 5

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/17/2017
Date Data Arrived at EDR: 07/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 65

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/17/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 06/21/2017
Date Data Arrived at EDR: 06/23/2017
Date Made Active in Reports: 10/30/2017
Number of Days to Update: 129

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/24/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/11/2017

Date Data Arrived at EDR: 07/14/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 69

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 10/10/2017

Next Scheduled EDR Contact: 01/22/2018

Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/26/2017

Date Data Arrived at EDR: 10/27/2017

Date Made Active in Reports: 11/06/2017

Number of Days to Update: 10

Source: Madera County Environmental Health

Telephone: 559-675-7823

Last EDR Contact: 10/26/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/03/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 15

Source: Public Works Department Waste Management

Telephone: 415-473-6647

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 10/02/2017

Date Data Arrived at EDR: 10/03/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 14

Source: Merced County Environmental Health

Telephone: 209-381-1094

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 08/08/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 40

Source: Mono County Health Department

Telephone: 760-932-5580

Last EDR Contact: 08/08/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/22/2017
Date Data Arrived at EDR: 06/23/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 47

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 08/24/2017
Date Data Arrived at EDR: 08/25/2017
Date Made Active in Reports: 10/27/2017
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/04/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/11/2017
Date Made Active in Reports: 10/11/2017
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/11/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 41

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/09/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 43

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 08/09/2017

Next Scheduled EDR Contact: 11/20/2017

Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/02/2017

Date Data Arrived at EDR: 06/06/2017

Date Made Active in Reports: 08/22/2017

Number of Days to Update: 77

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 08/31/2017

Next Scheduled EDR Contact: 12/18/2017

Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 06/19/2017

Date Data Arrived at EDR: 07/05/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 35

Source: Plumas County Environmental Health

Telephone: 530-283-6355

Last EDR Contact: 11/01/2017

Next Scheduled EDR Contact: 02/05/2018

Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/11/2017

Date Data Arrived at EDR: 07/14/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 69

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/11/2017

Date Data Arrived at EDR: 07/14/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 69

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 3

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 08/22/2017
Number of Days to Update: 47

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 08/11/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 66

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/01/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 85

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/07/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 69

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/03/2017
Date Data Arrived at EDR: 05/08/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 109

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 4

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 08/28/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/18/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/15/2017

Date Data Arrived at EDR: 09/19/2017

Date Made Active in Reports: 10/17/2017

Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/15/2017

Date Data Arrived at EDR: 06/19/2017

Date Made Active in Reports: 08/22/2017

Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/10/2017

Date Made Active in Reports: 10/16/2017

Number of Days to Update: 67

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 08/07/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/15/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 70

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 08/22/2017
Number of Days to Update: 63

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 08/29/2017
Number of Days to Update: 69

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 06/27/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 43

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/05/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 08/22/2017
Number of Days to Update: 47

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/02/2017
Date Data Arrived at EDR: 06/06/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 80

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 07/19/2017
Date Data Arrived at EDR: 08/11/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 66

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/21/2017
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 74

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 75

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/28/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/25/2017
Number of Days to Update: 51

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 74

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 70

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/11/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BUBB ROAD PROPERTY
11226 BUBB ROAD
CUPERTINO, CA 95014

TARGET PROPERTY COORDINATES

Latitude (North):	37.305589 - 37° 18' 20.12"
Longitude (West):	122.049984 - 122° 2' 59.94"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	584192.3
UTM Y (Meters):	4128992.2
Elevation:	379 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640178 CUPERTINO, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

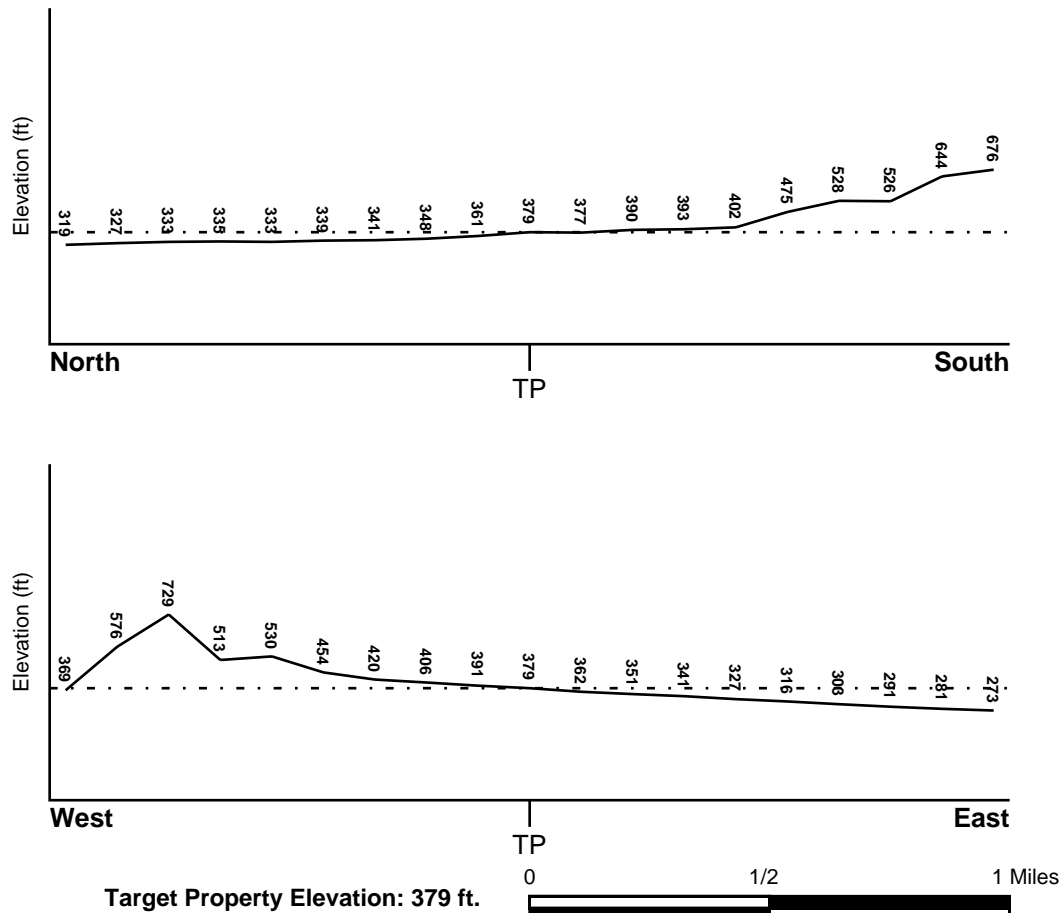
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06085C0216H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06085C0204H	FEMA FIRM Flood data
06085C0208H	FEMA FIRM Flood data
06085C0212H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CUPERTINO	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Pliocene
Code: Tpc *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: BOTELLA

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
2	9 inches	41 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.60
3	41 inches	76 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: No Other Soil Types

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

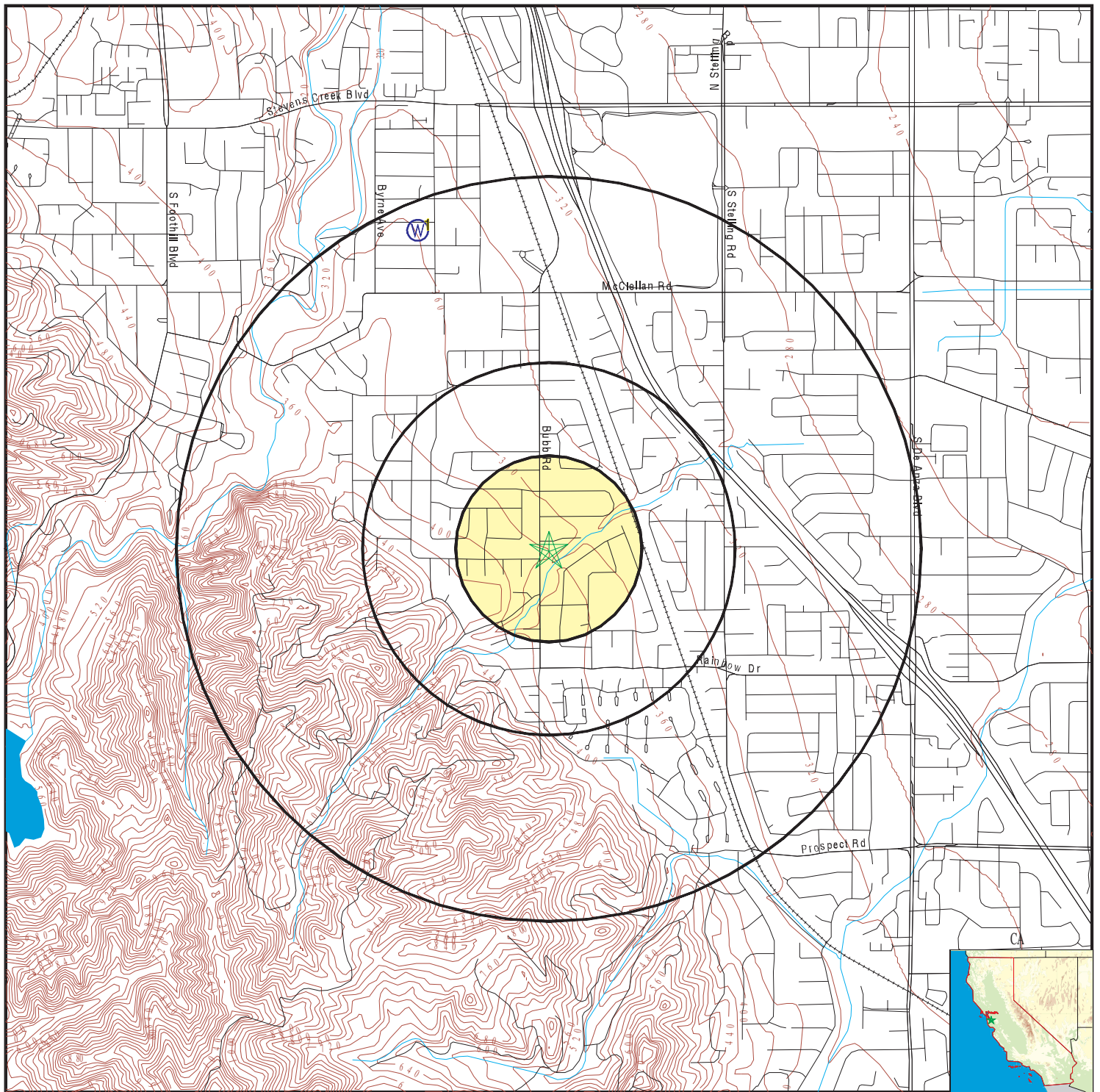
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	7847	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 5100065.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Bubb Road Property
 ADDRESS: 11226 Bubb Road
 Cupertino CA 95014
 LAT/LONG: 37.305589 / 122.049984

CLIENT: Enviro Assess
 CONTACT: Teresa Robertson
 INQUIRY #: 5100065.2s
 DATE: November 07, 2017 2:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNW
1/2 - 1 Mile
Lower

CA WELLS 7847

Water System Information:

Prime Station Code: 07S/02W-15R01 M
FRDS Number: 4300751001
District Number: 73
Water Type: Well/Groundwater
Source Lat/Long: 371905.0 1220319.0
Source Name: WELL 01
System Number: 4300751
System Name: BLACKBERRY FARMS
Organization That Operates System:
21975 SAN FERNANDO AVE.
CUPERTINO, CA 95014

Pop Served: 3600
Area Served: Not Reported

User ID: 43C
County: Santa Clara
Station Type: WELL/AMBNT/MUN/INTAKE
Well Status: Active Untreated
Precision: 1,000 Feet (10 Seconds)

Connections: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95014	47	0

Federal EPA Radon Zone for SANTA CLARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95014

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.267 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER


Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Bubb Road Property

11226 Bubb Road

Cupertino, CA 95014

Inquiry Number: 5100065.3

November 07, 2017

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/07/17

Site Name:

Bubb Road Property
11226 Bubb Road
Cupertino, CA 95014
EDR Inquiry # 5100065.3

Client Name:

Enviro Assess
PO Box 1154
Bonners Ferry, ID 83805
Contact: Teresa Robertson



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Enviro Assess were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 66DF-482C-A9E4
PO # Bubb Road Property
Project 2017-11-008



Sanborn® Library search results

Certification #: 66DF-482C-A9E4

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Bubb Road Property

11226 Bubb Road
Cupertino, CA 95014

Inquiry Number: 5100065.5
November 09, 2017

The EDR-City Directory Image Report

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City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

11226 Bubb Road
Cupertino, CA 95014

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

BUBB RD

2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1986	pg A7	Haines Criss-Cross Directory
1980	pg A8	Haines Criss-Cross Directory
1975	pg A9	Haines Criss-Cross Directory
1971	pg A10	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

BUBB RD 2014

1194 ACKMAN TECHNOLOGY INC
LA SINI SKIN CARE SPECIALIST C
LA SONI SKIN CARE SPCALIST CTR
1218 DELSON GROUP INC
1222 RJS CONSULTING
11061 INTERO REAL ESTATE
LIOU, ANN J
11081 KELKAR, RAVI
11091 SHANKER, PANKAJ
11101 CHANDRA, RAJIT C
11111 KIMITSUKA, GLEN H
11141 CHOW, MING
11150 WU, TIN Y
11151 ZHANG, HONG Z
11161 ARJA, BAGHU J
11171 ACADUCEUS PHARMACEUTICS
LABS ON WHEELS
WU, CAN F
11226 BALLARD, MELANIE
11230 BIGLER ROBERT ARMOND
BIGLER, ROBERT A
HOVERBOARD TECHNOLOGIES CORP
11234 OCCUPANT UNKNOWN,
11235 KARP, MELISSA
11236 DAYTON, RICHARD C
11238 IYER, PRADEEP J
11247 HUANG, YANJUN
11257 BUTLER, KIMBERLY A
11260 RASTOGI, SAURABH
11280 KOTA, RAO V
11331 GOTTUMUKKALA, RAJU K
11350 NGUYEN, DOAN H

BUBB RD 2010

1194	ACKMAN TECHNOLOGY INC LA SINI SKIN CARE SPECIALIST C
1218	DELSON GROUP
1222	RJS CONSULTING
11061	LEVIN, LIOR
11081	KELKAR, RAVINDRA R
11091	MYERHOLTZ, GREG A
11101	CHANDRA, RAJIT C
11111	KIMITSUKA, GLEN H
11131	NEWMAN, SHERRY R
11141	SEYYAMPALLYAM, NANDAKUMAR D
11150	CHU, LIZ Y
11151	YU, X I
11161	ARJA, BAGHU J
11171	ACADUCEUS PHARMACEUTICS ZHANG, CAN F
11221	MARLOW, CLAUDIA C
11226	MIKE YUN QI NORTH CONSTRUCTION QI, MIKE Y
11230	BIGLER, ROBERT A
11234	GUBERMAN, ALEX
11235	STEINBERG, GERY L
11236	DAYTON, RICHARD C
11238	MCCLURE JAMES MCCLURE, JAMES E
11247	HUANG, YANJUN
11257	BUTLER, MICHAEL
11260	TSUI, ERNEST T
11280	KOTA, RAO J
11331	GOTTUMUKKALA, RAJU K
11350	THAI, UYEN T
11371	BERGER FAMILY PARTNERS LP

BUBB RD 2005

1048 SERENDIA INC
1194 ACKMAN TECHNOLOGY INC
1218 DELSON GROUP
1222 RJS CONSULTING
11061 OCCUPANT UNKNOWN,
11081 ASAPLOGIX INC
KELKAR, RAVINDRA R
11091 TWISTNPOPPERS
11101 CHANDRA, RAJIT C
11131 NEWMAN, SHERRY
11151 ABACUS PAYROLL SERVICES
YU, JIANLIN L
11161 FREEUNIVERSITY INC
WEBFAMILYCOM CORPORATION
11221 MARLOW, CLAUDIA C
11226 MIKE YUN QI
11230 BIGLER, ROBERT A
11234 LEE, JAMES
11236 DAYTON, RICHARD C
11238 MCCLURE JAMES
11247 CUNNINGHAM, AMY L
11257 BUTLER, MARK W
11260 TSUI, ERNEST T
11280 WASSON, EVA L
11331 SCHUMACHER THOMAS
11350 NGUYEN, DOAN H
11371 BERGER FAMILY PARTNERS LP

BUBB RD 2000

1194 HAYTKO & ASSOCIATES
11061 ALLEGRO MICROSYSTEMS INC
OCCUPANT UNKNOWN,
11081 VANDER, V
11091 MYERHOLTZ, P A
11101 CHANDRA, R C
11111 KIMITSUKA, GLEN H
11131 DEI, ROSSI D
11141 NANDAKUMAR, SHOBANA
11150 CHAN, TINA
SINGLEY, SAMUEL L
TAYLOR, TEVILA P
11151 STEVENSON, JOHN G
11221 MARLOW, RICHARD S
11226 KRZICH L J PIPELINE ENGRG CO
KRZICH, JOHN
11230 OCCUPANT UNKNOWN,
11234 LEE, JUNG J
11235 STEINBERG, DONNA M
11236 DAYTON, RICHARD C
11238 MANTOVANI, E
MCCLURE, JAMES E
11247 CHEN, AUDREY W
11257 BUTLER, MARK
11260 TSUI, ERNEST T
11306 KOPY, HELEN D
11331 SCHUMACHER, RICHARD
11350 OCCUPANT UNKNOWN,

BUBB RD 1995

11061	JANSSEN, KEVIN
11081	STEVENSON, DAVID A
11091	OCCUPANT UNKNOWNN
11101	CHANDRA, R C
11111	OCCUPANT UNKNOWNN
11131	RAVINDHRAN, PADMINI
11141	BISSON, GENE
11150	BROWN, MAYNARD R
11151	ABACUS PAYROLL SERVICES
	STEVENSON, JOHN G
11161	TRUMPETVINE PRESS INC
11171	KING, HARRISS
11221	MARLOW, RICHARD S
11226	KRZICH, LEWIS J
11230	OCCUPANT UNKNOWNN
11234	QUATTLEBAUM, EDWIN
11235	KARP, S J
11236	DAYTON, RICHARD C
11238	MANTOVANI, E
	MCCLURE, JAMES E
11247	ONG, JAMES
11257	BIDWELL, ALLAN JR
11260	TSUI, ERNEST T
11280	OCCUPANT UNKNOWNN
11306	KOPY, HELEN D
11331	SCHUMACHER, RICHARD

BUBB RD 1992

1056	SPICE WORLD
11081	STEVENSON, DAVID A
11101	CHAM, KIT M
11131	LEE, T
11141	BISSON, GENE
11150	BROWN, MAYNARD R
11151	ABACUS PAYROLL SERVICES
	STEVENSON, JOHN G
11161	TRUMPETVINE PRESS INC
11171	KING, HARRISS
11221	MARLOW, RICHARD S
11226	KRZICH, LEWIS J
11230	BIGLER, ROBERT
11234	PRICE, VINCENT M
11238	MANTOVANI, E
	MCCLURE, JAMES E
11306	KOPY, MICHAEL
11331	SCHUMACHER, RICHARD T
11350	DISTOR, LEONIL
11411	TAY YUAN INC

BUBB RD 1986

11131	PANARELLI EUGENE A	446-5208	5
11141	★PENINSLA ELEVATOR	446-1373	2
	ROONEY CAROLYN	725-1134	
	ROONEY RICHARD	725-1134	
11150	BROWN MAYNARD R	252-6945	
11151	STEVENSON JOHN G	446-5159	2
11161	XXXX	00	
11171	SCHWARZ DONALD G	255-9878	
11221	MARLOW RICHARD S	252-6214	
11226	KRZICH LEWIS J	252-3651	
11234	XXXX	00	
11236	XXXX	00	
11238	ARDEN JERRY A	257-4103	9
11247	ZSOKA GEO	257-2641	
11280	XXXX	00	

BUBB RD 1980

11131	RESCIGNO RONALD C	257-7418	4
11141	ROONEY RICHARD	257-9198	+0
11150	BROWN J	253-5283	9
	BROWN MAYNARD R	252-6945	
11151	STEVENSON JOHN G	255-6955	4
11161	FROMM LARRY	255-0601	8
11171	SCHWARZ DONALD G	255-9878	4
11221	MARLOW RICHARD S	252-6214	
11226	KRZICH LEWIS J	252-3651	
11234	BANNER REALTY	996-3477	5
11235	KARP JOEL A	257-0303	
11236	XXXX	00	
11238	ARDEN JERRY A	257-4103	9
11247	ZSOKA GEO	257-2641	

BUBB RD 1975

11121	XXXX	00
11131	RESCIGNO RONALD C	257-7418 4
11150	BROWN MAYNARD R	252-6945
11151	STEVENSON JOHN G	255-6955 4
11161	HUMENICK WM	255-2566 4
11171	SCHWARZ DONALD G	255-9878 4
11221	MARLOW RICHARD S	252-6214
11226	KRZICH LEWIS J	252-3651
11234	*BANNER REALTY	996-3477+5
11235	KARP JOEL A	257-0303
11236	XXXX	00
11247	ZSOKA GEO	257-2641
11280	XXXX	00

BUBB RD 1971

11011	LEONARD DON J	252-6904
11021	ZULAICA LOUIS E	257-3205
11061	CAMPBELL ROGER	257-2311
11091	VANBLOMMESTEIN C S	253-4596
11121	CALI RON	253-3324
11150	BROWN MAYNARD R	252-6945
11221	MARLOW RICHARD S	252-6214
11226	KRZICH LEWIS J	252-3651
11235	KARP JOEL A	257-0303
11247	ZSOKA GEO	257-2641
11280	REGNART ANNA	253-6441
11306	KOPY MICHAEL	252-7157
11366	CLOWERS H P	252-2031



ENVIRONMENTAL SITE ASSESSMENT
– ENVIRONMENTAL QUESTIONNAIRE –

PART ONE ~ USER'S RESPONSIBILITIES
To be completed by the Client

PROJECT NUMBER: 2017-11-008
PROJECT NAME: Bubbs Road Property

1. Has a chain-of-title or preliminary title report been prepared for the Property (Please provide copies of any available reports)?

Yes. Prelim is attached with the file.

2. Have any previous Phase 1 or other environmental reports been prepared for the Property (Please provide copies of any available reports)?

No

3. Did a search of recorded land title records identify any environmental liens filed or recorded against the Property under federal, tribal, state or local law?

No

4. Did a search of recorded land title records identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions, or institutional controls, that are in place at the Property, and/or have been filed or recorded against the Property, under federal, tribal, state, or local law?

No

5. Does the purchase price being paid for the Property reasonably reflect the fair market value of the Property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property?

It's not a purchase and it's subdivision project.

6. Are you aware of commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? If "yes," please specify. For example:

- (a.) Do you know the past uses of the Property?

Residential SFH

- (b.) Do you know of specific chemicals that are present or once were present at the Property?

NO

- (c.) Do you know of spills or other chemical releases that have taken place at the Property?

NO

- (d.) Do you know of any environmental cleanups that have taken place at the Property?

NO

7. Based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of releases at the Property?

NO

8. Why have you requested this Phase 1 Environmental Site Assessment?

a) To qualify as “innocent landowner” under CERCLA

b) Due to bank / loan requirement

c) Other reason (specify): _____

SUBDIVISION

9. What is the last known or current use of the Property?

RESIDENTIAL SFH

10. What is the proposed future use of the Property?

Please provide a site map, if available.

RESIDENTIAL SFH

As the User of the Phase I Environmental Site Assessment being prepared for the Property (or the duly authorized representative of such User), I have specific knowledge of the questions posed in Part 1 of the Questionnaire regarding the Property, and hereby certify that to the best of my knowledge, information, and belief, the information disclosed above is true and correct.

DocuSigned by:
MIKE QI
D7126656EA5B46B...

11/8/2017

OWNER

User or Client's Signature

Date

Position Title

Company Name

MIKE QI

User or Client's Name (Please Print)



ENVIRONMENTAL SITE ASSESSMENT
– ENVIRONMENTAL QUESTIONNAIRE –

PART TWO ~ OWNER INFORMATION
(To be completed by Owner or Owner's Representative)

PROJECT NUMBER: 2017-11-008
PROJECT NAME: Bubb Road Property

GENERAL

Does this site have any current or historical names? If so, what are they?

NO

Current owner of the Property:

Name: MIKE QI AND JENNY QI

Address: 11226 BUBB ROAD, CUPERTINO CA 95014

Telephone: 650-207-6666

Year purchased: 2004

PREVIOUS OWNER(S) AND CONTACT INFORMATION (if known)

Name: NOT AVAILABLE

Address:

Telephone:

Year Purchased:

OTHER PERSON WITH KNOWLEDGE OF PROPERTY

Name: NONE

Address:

Telephone:

Relationship to property:

SITE INFORMATION

1. Please describe current use(s) of the Property:

RESIDENTIAL SFH

2. Please describe any other known past use(s) of the Property, and approximate dates of each use:

NONE

3. Are there any businesses using any portion of the Property which are operated by an entity other than the Property owner (including a tenant farming operation)? If yes, please provide contact name and phone number for each:

NONE

4. To the best of your knowledge has the Property ever been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, or landfill; or as a waste treatment, storage, disposal, processing, or recycling facility?

NONE

5. To the best of your knowledge has any adjoining property ever been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, or landfill; or as a waste treatment, storage, disposal, processing, or recycling facility?

NONE

6. Do you have any knowledge of environmental liens or governmental notifications relating to past or recurrent violations of environmental laws, with respect to the Property or any facility located on the Property?

NONE

7. Do you have any knowledge of past or current existence of hazardous substances, petroleum products, or environmental violations with respect to the Property or any facility located on the Property?

NONE

8. Please describe any other relevant historical information in your possession concerning the Property:

SFH RESIDENTIAL ALWAYS

9. Are there any electrical transformers or capacitors on the Property which are known to contain Polychlorinated Biphenyls (PCBs), or which may have been manufactured before 1980 and the PCB content is unknown?

NONE

10. Water is provided to the Property by:

– Public water system

11. Waste water disposal is provided to the Property by:

– Public sewer system: Age of system 20 YEARS+

12. Are there any wastewaters generated and /or disposed of on the Property, other than storm water runoff and domestic sewage? Please describe (please attach copies of any wastewater discharge permits or licenses pertaining to operations of the Property).

NONE

13. Are there any other types of liquid wastes or solid wastes generated at the Property? Please describe how they are handled and disposed of (please attach copies of any waste disposal permits or licenses pertaining to operations on the Property).

NONE

14. Are there any activities on the Property which generate air pollutants, including fuel burning equipment? Please describe (please attach copies of any air permits or licenses pertaining to operations on the Property).

NONE

STRUCTURES

Are there currently any structures on the Property?

RESIDENTIAL SFH AND GUESS HOUSE

To the best of your knowledge, have there been any structures on the Property in the past which have been removed?

NONE

If the answer to either question is “yes” please answer the following ~

1. For each existing building, please provide the type of building and date of original construction, and any substantial renovations:

BUILT BY PREVIOUS OWNER AROUND 2000. WOOD FRAMING 1 LEVEL.

2. For each building known to have been removed, please provide the type of building and approximate dates the building existed:

NONE

3. How are the structures heated and cooled (e.g., central, wall-mounted unit, space heaters, etc.), and what powers the heating and cooling devices (e.g., electric, propane, fuel oil tank, fireplace, etc.)?

CENTRAL AIR AND GAS BURNING FIREPLACE NO AC

4. Provide a brief description of existing development with Property dimensions, area, and acreage:

4100 SQFT + 400 SQFT GUESS HOUSE

5. Are there currently, or to the best of your knowledge, have there previously been, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?

NONE

6. If any buildings were constructed prior to 1980, is there currently, or was there previously, asbestos in any of the construction materials contained in the building(s)?

REBUILD BY PREVIOUS OWNER AFTER 1980

If so, has a survey been conducted to assess the type, amount, location and condition of asbestos?
(Please attach a copy of any survey report.)

7. If any buildings were constructed prior to 1980, is there currently, or was there previously, any lead-based paint applied to the building(s)?

NONE

If so, has a survey been conducted to assess the type, amount, location and condition of lead-based paint?
(Please attach a copy of any survey report.)

STORAGE TANKS AND OTHER CHEMICAL STORAGE

Are there currently, or to the best of your knowledge, have there previously been, any registered or unregistered gasoline, diesel, fuel oil, or other chemical storage tanks (above or underground) located on the Property?

NONE

Are there any pesticides, paints, or other chemicals stored or used on the property in drums, sacks, or other containers, greater than 5 gallons each, or 50 gallons in the aggregate?

NONE

If the answer to either question is “yes” please answer the question below

1. For each tank, please list the substance stored and tank capacity.
2. Have the tanks been inspected or tested for leakage? When was the most recent test? What were the results? (Please attach copies of results if available).
3. For other storage containers, please describe the substances, quantities stored, and types of containers.
4. Have there been any spills, leaks, or other releases of chemicals on the Property? If so, please describe the chemicals and quantities released, the cleanup measures taken, and the results of any soil or groundwater samples performed to detect the presence of chemicals spilled, leaked, or released on the Property.
5. Please attach copies of any permits or licenses pertaining to the use, storage, handling, or disposal of chemicals on the Property.

INDUSTRIAL PROPERTIES

Is the property currently used for any industrial purpose?

NONE

Has the Property ever been used for an industrial purpose (other than the current use)?

NONE

If the answer to either question is “yes” please answer the following ~

1. Has the Property been used for disposal of any liquid or solid waste?
2. Have evaporation or storage ponds been located on the Property?
3. Have wastewater treatment facilities, such as acid neutralization vaults, been located on the Property?
4. Are there raw chemical or waste chemical storage areas on the Property?

If the answer to any of questions 1 – 4 are “yes,” please provide a description, including the location of all disposal sites, treatment facilities and storage areas, the type of chemicals or wastes handled at each site, the results of any soil or groundwater samples taken in the vicinity of each site, and the manner in which each site not presently in use was closed.

AGRICULTURAL PROPERTIES

Is the Property currently used for agricultural purposes other than grazing or pasture land?

NONE

To the best of your knowledge, has the Property been used in the past for agricultural purposes other than grazing or pasture land?

NONE

If the answer to either question is “yes,” please answer the following ~

1. Have pesticides, herbicides, or other agricultural chemicals been applied to the Property? If so, please describe the locations where such pesticides, herbicides, or chemicals were applied, and the type of pesticides, herbicides, or chemicals applied in each area. (Please attach copies of pesticide use reports if available.)
2. Have pesticides, herbicides, or other agricultural chemicals been mixed, formulated, rinsed, or disposed of on the Property? If so, please describe the locations where such pesticides, herbicides, or chemicals were mixed, formulated, rinsed, or disposed of, and the type of pesticides, herbicides, or chemicals mixed, formulated, rinsed, or disposed of at each location.
3. Has any soil or groundwater analysis been performed to detect pesticides, herbicides, or chemicals used at on the Property? If so, please provide a summary of the finding or attach the report(s).

UNDERSTANDING

As the present owner of the Property, or as an officer or general partner of the present owner of the Property (or the duly authorized representative of such owner), I am familiar with all of the operations presently conducted on the Property, and hereby certify that to the best of my knowledge, information, and belief, the information disclosed above is true and correct.

I grant Enviro Assessment, PC or its agents, permission to enter the Property, including all structures on the Property, as necessary to complete the Phase 1 report.

I understand that I will be given appropriate notice before the date of the site inspection at the phone number provided below.

DocuSigned by:

MIKE QI

Owner or Key Site Manager's Signature

MIKE QI

Owner or Key Site Manager's Name (please print)

OWNER

Title, Company

650-207-6666 EMAIL : SELL888US@YAHOO.COM

Contact Phone

Updated



First American Title

First American Title Company

12880 Saratoga-Sunnyvale Road
Saratoga, CA 95070

Escrow Officer: Zack Felder
Phone: (408)867-9915
Fax No.: (866)404-5899
E-Mail: zfelder@firstam.com

E-Mail Loan Documents to: SaratogaEDocs@firstam.com

Buyer:

Owner: Qi

Property: 11226 Bubb Road
Cupertino, CA 95014

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of July 01, 2015 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

ALTA/CLTA Homeowner's (EAGLE) Policy of Title Insurance (2010) and ALTA Ext Loan Policy 1056.06 (06-17-06) if the land described is an improved residential lot or condominium unit on which there is located a one-to-four family residence; or ALTA Standard Owner's Policy 2006 (WRE 06-17-06) and the ALTA Loan Policy 2006 (06-17-06) if the land described is an unimproved residential lot or condominium unit

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

MIKE YUN QI AND JENNY QI, HUSBAND AND WIFE AS JOINT TENANTS

The estate or interest in the land hereinafter described or referred to covered by this Report is:

FEE

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. General and special taxes and assessments for the fiscal year 2015-2016, a lien not yet due or payable.
2. General and special taxes and assessments for the fiscal year 2014-2015.

First Installment:	\$13,328.91, PAID
Penalty:	\$0.00
Second Installment:	\$13,328.91, PAID
Penalty:	\$0.00
Tax Rate Area:	013-002
A. P. No.:	362-06-036
3. Assessment liens, if applicable, collected with the general and special taxes, including but not limited to those disclosed by the reflection of the following on the tax roll:

Community Facilities District LIBRARY JPA CFD 2013-1.
4. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

5. Any and all offers of dedications, conditions, restrictions, easements, notes and/or provisions shown or disclosed by the filed or recorded map referred to in the legal description including but not limited to: PUBLIC UTILITY and incidental purposes affecting said land.
6. An easement for RIGHT OF WAY FOR ROAD and incidental purposes in the document recorded December 15, 1883 in Book 70 of Deeds, Page 441.
7. An offer of dedication for PUBLIC STREET AND ROAD and incidental purposes, recorded April 17, 1969 as BOOK 8502, PAGE 541 of Official Records.
To: CITY OF CUPERTINO
8. A deed of trust to secure an original indebtedness of \$500,000.00 recorded November 07, 2011 as DOCUMENT NO. 21404362 OF OFFICIAL RECORDS.

Dated: October 20, 2011
Trustor: MIKE YUN QI, A MARRIED PERSON JENNY QI, A MARRIED PERSON
Trustee: FIRST AMERICAN TITLE
Beneficiary: CHARLES SCHWAB BANK

The above deed of trust states that it secures an equity line/revolving line of credit.

9. Rights of the public in and to that portion of the land lying within any Road, Street, Alley or Highway.

INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

1. This report is preparatory to the issuance of an ALTA Loan Policy. We have no knowledge of any fact which would preclude the issuance of the policy with CLTA endorsement forms 100 and 116 and if applicable, 115 and 116.2 attached.

When issued, the CLTA endorsement form 116 or 116.2, if applicable will reference a(n) Single Family Residence known as 11226 BUBB ROAD, CUPERTINO, CA.

2. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

None

NOTE to proposed insured lender only: No Private transfer fee covenant, as defined in Federal Housing Finance Agency Final Rule 12 CFR Part 1228, that was created and first appears in the Public Records on or after February 8, 2011, encumbers the Title except as follows: None

The map attached, if any, may or may not be a survey of the land depicted hereon. First American expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

LEGAL DESCRIPTION

Real property in the City of Cupertino, County of Santa Clara, State of California, described as follows:

BEGINNING AT THE SOUTHWESTERLY CORNER OF THAT CERTAIN PARCEL OF LAND, DESCRIBED IN THE DEED FROM SOPHIE VLASIC, TO LEWIS J. KRZICH, ET UX, DATED JULY 5, 1955, RECORDED IN THE OFFICE OF THE RECORDER OF THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA ON JULY 5, 1955 IN BOOK 3215 OF OFFICIAL RECORDS, AT PAGE 88, ON THE CENTERLINE OF BUBB ROAD, FORMERLY REGNART ROAD; THENCE FROM SAID POINT OF BEGINNING AND ALONG THE SOUTHERLY LINE OF SAID LAND DEEDED TO LEWIS J. KRZICH, ET UX, N. 89° 54' 00" E. 220.00 FEET TO THE SOUTHWESTERLY CORNER OF LOT 11, AS SHOWN ON THAT CERTAIN MAP ENTITLED, TRACT NO. 4708, WOODS, EAST, WHICH MAP WAS FILED FOR RECORD IN THE OFFICE OF THE RECORDER OF THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA, ON AUGUST 14, 1969 IN BOOK 257 OF MAPS, AT PAGES 54 AND 55; THENCE ALONG THE WESTERLY LINE OF SAID LOT 11, N. 0° 05' 00" E. 180.96 FEET TO THE NORTHWESTERLY CORNER THEREOF, ON THE SOUTHERLY LINE OF KRZICH PLACE, AS SHOWN ON SAID MAP OF TRACT NO. 4708; THENCE ALONG THE SOUTHERLY LINE OF SAID KRZICH PLACE, THE FOUR FOLLOWING COURSES AND DISTANCES: WESTERLY ALONG THE ARC OF A CURVE TO THE RIGHT FROM A TANGENT WHICH BEARS S. 74° 01' 18" W. WITH A RADIUS OF 273.00 FEET THROUGH A CENTRAL ANGLE OF 16° 03' 42" FOR AN ARC DISTANCE OF 76.53 FEET TO A POINT OF TANGENCY; THENCE N. 89° 55' 00" W. 94.69 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT; THENCE ALONG LAST SAID CURVE WITH A RADIUS OF 20.00 FEET THROUGH A CENTRAL ANGLE OF 90° 05' 00" FOR AN ARC DISTANCE OF 31.45 FEET TO A POINT; THENCE WEST 10.00 FEET TO A POINT ON THE EASTERLY LINE OF SAID BUBB ROAD; THENCE ALONG THE EASTERLY LINE OF SAID BUBB ROAD, NORTH 43.04 FEET TO THE INTERSECTION THEREOF WITH THE CENTERLINE OF SAID KRZICH PLACE; THENCE ALONG THE CENTERLINE OF SAID KRZICH PLACE. N. 89° 55' 00" W. 20.00 FEET TO A POINT ON THE CENTERLINE OF SAID BUBB ROAD; THENCE ALONG THE CENTERLINE OF SAID BUBB ROAD, SOUTH 194.01 FEET TO THE POINT OF BEGINNING, AND BEING A PORTION OF THE SOUTHEAST 1/4 OF SECTION 23, TOWNSHIP 7 SOUTH, RANGE 2 WEST, M.D.B. AND M.

EXCEPTING THEREFROM THAT PORTION CONVEYED TO LEE F. TRURO AND ELIZABETH J. TRURO, HIS WIFE BY INSTRUMENT RECORDED AUGUST 20, 1976 IN BOOK C230, PAGE 134 OFFICIAL RECORDS, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF LOT 11, TRACT NO. 4708, AS SHOWN ON MAP RECORDED IN BOOK 257, PAGES 54 AND 55, OFFICIAL RECORDS OF SANTA CLARA COUNTY; THENCE NORTH 1° 06' 10" WEST, 43.47 FEET; THENCE NORTH 1° 57' WEST, 31.00 FEET; THENCE NORTH 0° 09' 40" WEST, 105.83 FEET TO A POINT ON THE SOUTHERLY LINE OF KRZICH PLACE AS SAID STREET IS SHOWN ON SAID MAP OF TRACT NO. 4708; THENCE ALONG THE LAST DESCRIBED LINE FROM A TANGENT THAT BEARS SOUTH 74° 33' 13" WEST, NORTHEASTERLY ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 273 FEET, A CENTRAL ANGLE OF 0° 31' 55" AN ARC LENGTH OF 2.53 FEET TO THE NORTHWEST CORNER OF SAID LOT 11; THEN ALONG THE WESTERLY LINE OF SAID LOT 11, SOUTH 0° 05' WEST 180.96 FEET TO THE POINT OF BEGINNING.

APN: 362-06-036

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

INCOMING DOMESTIC WIRE INSTRUCTIONS

PAYABLE TO: First American Title Company
BANK: First American Trust, FSB
ADDRESS: 5 First American Way, Santa Ana, CA 92707
ACCOUNT NO: 3004890000
ROUTING NUMBER: 122241255

PLEASE REFERENCE THE FOLLOWING:

PROPERTY: 11226 Bubb Road, Cupertino, CA 95014
FILE NUMBER: 4307-4515767 (zf)
ATTENTION: Zack Felder

PLEASE USE THE ABOVE INFORMATION WHEN WIRING FUNDS TO **First American Title Company**. **FUNDS MUST BE WIRED FROM A BANK WITHIN THE UNITED STATES**. PLEASE NOTIFY **Zack Felder** AT **(408)867-9915** OR **zfelder@firstam.com** WHEN YOU HAVE TRANSMITTED YOUR WIRE.

IF YOUR FUNDS ARE BEING WIRED FROM A NON-U.S. BANK, ADDITIONAL CHARGES MAY APPLY. PLEASE CONTACT YOUR ESCROW OFFICER/CLOSER FOR INTERNATIONAL WIRING INSTRUCTIONS.

PLEASE NOTE THAT AN ACH TRANSFER IS NOT THE SAME AS A WIRE, REQUIRES ADDITIONAL TIME FOR CLEARANCE AND MAY DELAY CLOSING.

FIRST AMERICAN TRUST CONTACT INFO: Banking Services 1-877-600-9473

**ALL WIRES WILL BE RETURNED IF THE FILE NUMBER
AND/OR PROPERTY REFERENCE ARE NOT INCLUDED**

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - (a) building;
 - (b) zoning;
 - (c) land use;
 - (d) improvements on the Land;
 - (e) land division; and
 - (f) environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - (a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - (b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - (c) that result in no loss to You; or
 - (d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - (b) in streets, alleys, or waterways that touch the Land.

This Exclusion does not limit the coverage described in Covered Risk 11 or 21.

7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows: For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

Your Deductible Amount

Our Maximum Dollar
Limit of Liability

Covered Risk 16: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$5,000.00

ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)

EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - (a) and use
 - (b) improvements on the land
 - (c) and division
 - (d) environmental protection

This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date.

This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.

2. The right to take the land by condemning it, unless:

- (a) a notice of exercising the right appears in the public records on the Policy Date
 - (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
 - 3. Title Risks:
 - (a) that are created, allowed, or agreed to by you
 - (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
 - (c) that result in no loss to you
 - (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
 - 4. Failure to pay value for your title.
 - 5. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
 - (b) in streets, alleys, or waterways that touch your land
- This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
- 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.

4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.



First American Title

Privacy Information

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

First American Financial Corporation is sensitive to privacy issues on the Internet. We believe it is important you know how we treat the information about you we receive on the Internet.

In general, you can visit First American or its affiliates' Web sites on the World Wide Web without telling us who you are or revealing any information about yourself. Our Web servers collect the domain names, not the e-mail addresses, of visitors. This information is aggregated to measure the number of visits, average time spent on the site, pages viewed and similar information. First American uses this information to measure the use of our site and to develop ideas to improve the content of our site.

There are times, however, when we may need information from you, such as your name and email address. When information is needed, we will use our best efforts to let you know at the time of collection how we will use the personal information. Usually, the personal information we collect is used only by us to respond to your inquiry, process an order or allow you to access specific account/profile information. If you choose to share any personal information with us, we will only use it in accordance with the policies outlined above.

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web sites may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.

Assessor's Parcel Number (APN): 362-06-036

Situs Address (es) : 11226 BUBB RD CUPERTINO 95014-4979

Mailing Address: 11226 BUBB RD CUPERTINO CA 95014-4979

Current Information Assessed Value

▲
Print

PROPERTY INFORMATION

Document No: 19303803 Document Type: GRANT DEED

Transfer Date: 2/14/2007 Tax Default Date: N/A

TAX RATE AREA INFORMATION 013-002

city: cupertino
 elem. school: cupertino union
 high school: fremont union
 comm. college: foothill
 resource consv.: guadalupe-coyote
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49)
 fire protection: central
 open space: mid-peninsula regional jt(41,43,44)
 sanitary: cupertino
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services)
 county water: santa clara valley
 county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone w-4
 water-misc.: santa clara county importation

VALUE INFORMATION (Assessed Information as of 6/30/2017)

Real Property		Business		Exemptions		Net Assessed Value
Land:	\$1,715,092	Fixtures:	\$0	Homeowner:	\$7,000	
Improvements:	\$605,208	Structure:	\$0	Other:	\$0	
		Personal Property:	\$0			
Total:	\$2,320,300	Total:	\$0	Total:	\$7,000	\$2,313,300

DISCLAIMER: This service has been provided to allow easy access and a visual display of County information. A reasonable effort has been made to ensure the accuracy of the data provided; nevertheless, some information may be out of date or may not be accurate. The County of Santa Clara assumes no responsibility arising from use of this information. ASSOCIATED DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, either expressed or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Do not make any business decisions based on this data before validating the data. [Revenue and Taxation Code Section 408.3(c)]

2017 Assessed Value

PROPERTY INFORMATION

Document No: 19303803 Document Type: GRANT DEED

Transfer Date: 2/14/2007 Tax Default Date: N/A

TAX RATE AREA INFORMATION 013-002

city: cupertino
 elem. school: cupertino union
 high school: fremont union
 comm. college: foothill
 resource consv.: guadalupe-coyote
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49)

fire protection: central
 open space: mid-peninsula regional jt(41,43,44)
 sanitary: cupertino
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services)
 county water: santa clara valley
 county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone w-4
 water-misc.: santa clara county importation

VALUE INFORMATION (Assessed Information as of 6/30/2017)

Real Property		Business		Exemptions		Net Assessed Value
Land:	\$1,715,092	Fixtures:	\$0	Homeowner:	\$7,000	
Improvements:	\$605,208	Structure:	\$0	Other:	\$0	
		Personal Property:	\$0			
Total:	\$2,320,300	Total:	\$0	Total:	\$7,000	\$2,313,300

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2016 Assessed Value

PROPERTY INFORMATION

Document No: 19303803 Document Type: GRANT DEED
 Transfer Date: 2/14/2007 Tax Default Date: N/A

TAX RATE AREA INFORMATION 013-002

city: cupertino
 city: cupertino
 elem. school: cupertino union
 elem. school: cupertino union
 high school: fremont union
 high school: fremont union
 comm. college: foothill
 comm. college: foothill
 resource consv.: guadalupe-coyote
 resource consv.: guadalupe-coyote
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49)
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49)
 fire protection: central
 fire protection: central
 open space: mid-peninsula regional jt(41,43,44)
 open space: mid-peninsula regional jt(41,43,44)
 sanitary: cupertino
 sanitary: cupertino
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services)
 county service: area no. 01 (library services)
 county water: santa clara valley
 county water: santa clara valley

county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone w-4
 county water: santa clara valley-zone w-4
 water-misc.: santa clara county importation
 water-misc.: santa clara county importation

VALUE INFORMATION (Assessed Information as of 6/30/2016)

Real Property		Business		Exemptions		Net Assessed Value
Land:	\$1,681,463	Fixtures:	\$0	Homeowner:	\$7,000	
Improvements:	\$593,342	Structure:	\$0	Other:	\$0	
		Personal Property:	\$0			
Total:	\$2,274,805	Total:	\$0	Total:	\$7,000	\$2,267,805

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2015 Assessed Value

PROPERTY INFORMATION

Document No: 19303803 Document Type: GRANT DEED

Transfer Date: 2/14/2007 Tax Default Date: N/A

TAX RATE AREA INFORMATION 013-002

city: cupertino
 city: cupertino
 elem. school: cupertino union
 elem. school: cupertino union
 high school: fremont union
 high school: fremont union
 comm. college: foothill
 comm. college: foothill
 resource consv.: guadalupe-coyote
 resource consv.: guadalupe-coyote
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49,57)
 air quality mgmt.: bay area jt(1,7,21,28,38,41,43,48,49,57)
 fire protection: central
 fire protection: central
 open space: mid-peninsula regional jt(41,43,44)
 open space: mid-peninsula regional jt(41,43,44)
 sanitary: cupertino
 sanitary: cupertino
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services), benefit assessment
 county service: area no. 01 (library services)
 county service: area no. 01 (library services)
 county water: santa clara valley
 county water: santa clara valley
 county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone nc-1
 county water: santa clara valley-zone w-4

county water: santa clara valley-zone w-4
 water-misc.: santa clara county importation
 water-misc.: santa clara county importation

VALUE INFORMATION (Assessed Information as of 6/30/2015)

Real Property		Business		Exemptions		Net Assessed Value
Land:	\$1,656,206	Fixtures:	\$0	Homeowner:	\$7,000	
Improvements:	\$584,430	Structure:	\$0	Other:	\$0	
		Personal Property:	\$0			
Total:	\$2,240,636	Total:	\$0	Total:	\$7,000	\$2,233,636

DISCLAIMER: This service has been provided to allow easy access and a visual display of County information. A reasonable effort has been made to ensure the accuracy of the data provided; nevertheless, some information may be out of date or may not be accurate. The County of Santa Clara assumes no responsibility arising from use of this information. ASSOCIATED DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, either expressed or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Do not make any business decisions based on this data before validating the data. [Revenue and Taxation Code Section 408.3(c)]

File Summary Report: 16-000751

Nov 7, 2017

Case Information:**Case #:** 16-000751**Address:**11226 BUBB Road
CUPERTINO 95014-4979**Property Owner:*****Parcel Number:**362 06 036**Sub-Division:****Status:** Closed**Disposition:** Closed after Warning**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Jun 22, 2016**Close Date:**Jul 7, 2016**How Received:** Phone**Responsible User:** Gulu Sakhrani**Description:** Property Maintenance - Overgrown**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
	Home Address:			Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-PMW-39	Jun 22, 2016	Jul 07, 2016	Closed	
Comments:				

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
07/07/2016	File Update - Case Closed	Gulu Sakhrani , Gulu Sakhrani		07/07/2016	
Comments: Cut/cleared.					
06/22/2016	Notice - First	Gulu Sakhrani , Gulu Sakhrani	07/06/2016	06/22/2016	
Comments: Observed weeds in the front and side yards.					
06/22/2016	File Update - Open Case	Gulu Sakhrani , Gulu Sakhrani		06/22/2016	
Comments: Property Maintenance - Overgrown - _____ - called to report neighbor's address had "waist high dry brush". _____ asked for a call back and hung up when I called					

File Summary Report: 15-000778

Nov 7, 2017

Case Information:**Case #:** 15-000778**Address:**11226 BUBB Road
CUPERTINO 95014-4979**Property Owner:****Parcel Number:** 362 06 036**Sub-Division:** 1**Status:** Closed**Disposition:** Referred to Outside Agency**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Jul 23, 2015**Close Date:** Jul 23, 2015**How Received:** Email**Responsible User:** Jeffrey Trybus**Description:** Received a complaint of a cable hanging out into the bicycle lane on Bubb Road.**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
	Home Address:			Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-O-23	Jul 23, 2015	Jul 23, 2015	Closed	

Comments:

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
07/23/2015	File Update - Case Closed	Jeffrey Trybus , Jeffrey Trybus	07/23/2015	07/23/2015	

Comments: We received COMCATE I called AT&T and reported the line on work order#PE3WML09.

File Summary Report: 15-000611

Nov 7, 2017

Case Information:**Case #:** 15-000611**Address:**11226 BUBB Road
CUPERTINO 95014-4979**Property Owner:****Parcel Number:** 362 06 036**Sub-Division:** 1**Status:** Closed**Disposition:** Closed after Warning**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Jun 17, 2015**Close Date:** Jul 22, 2015**How Received:****Responsible User:** Jeffrey Trybus**Description:** Report of weeds at this parcel.**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
				Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-PMW-39	Jun 17, 2015	Jul 22, 2015	Closed	

Comments:

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
06/24/2015	Notice - First	Jeffrey Trybus , Jeffrey Trybus	07/22/2015	07/22/2015	

Comments: First notice mailed and proof of service form filled out.

07/22/2015	File Update - Case Closed	Jeffrey Trybus , Jeffrey Trybus	07/22/2015	07/22/2015	
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Comments: I rechecked and confirmed the removal of the weeds. Case closed.

File Summary Report: 14-000825

Nov 7, 2017

Case Information:**Case #:** 14-000825**Address:**11226 BUBB Road
CUPERTINO 95014-4979**Property Owner:****Parcel Number:**362 06 036**Sub-Division:****Status:** Closed**Disposition:** No Violation**Neighborhood:****Approximate Location:****Priority:****Type:****Open Date:** Jul 18, 2014**Close Date:**Jul 18, 2014**How Received:****Responsible User:** Gulu Sakhrani**Description:** Property Maintenace - Weeds/Fence**Legal Description:****Categories:****Citizens:**

Name	Home Address	Home Phone	Business Phone	Association
				Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-PMW-39	Jul 18, 2014	Jul 18, 2014	Closed	
Comments:				

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
07/18/2014	File Update - Case Closed	Gulu Sakhrani , Gulu Sakhrani	07/15/2014	07/18/2014	

Comments: Addressed the "blight" issues that were forwarded to my attention. I met with property and agreed to clear up the weeds and look at repairing any fence issues.

The area had been cleared of weeds.

I emailed the R/P my findings.

No further contact/complaints from the R/P.

07/18/2014	File Update - Open Case	Gulu Sakhrani , Gulu Sakhrani		07/01/2014	
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Comments: Property Maintenace - Weeds/Fence - R/P unhappy with condtion of this property and wanted violations addressed.

File Summary Report: 14-000738

Nov 7, 2017

Case Information:**Case #:** 14-000738**Address:**11226 Bubba Road
Cupertino CA 95014**Property Owner:****Parcel Number:** 362 06 036**Sub-Division:****Status:** Closed**Disposition:** No Violation**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Jun 24, 2014**Close Date:** Jul 15, 2014**How Received:** Email**Responsible User:** Alex Wykoff**Description:** Excessive number of occupants in a single-family residence creating on-street parking concerns.**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
				Reporting Person Property Owner

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
BD-02	Jun 24, 2014	Jul 15, 2014	Closed	
Comments:				
CE-UP-01	Jun 24, 2014	Jul 15, 2014	Closed	
Comments:				

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
07/15/2014	File Update - Comments	Alex Wykoff , Alex Wykoff	07/15/2014	07/15/2014	

Comments: No further response from , nor any additional compliants. Referred to SAKHRANI for evaluation of any property maintenance violations. Case closed.

07/01/2014	File Update - Comments	Alex Wykoff , Alex Wykoff	07/01/2014	07/01/2014	
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Comments: Received another email from with additional questions and clarification. Response was provided that there is no evidence of housing or building code violations.

07/01/2014	File Update - Comments	Alex Wykoff , Alex Wykoff	06/26/2014	06/26/2014	
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Comments: Called and spoke to the property owner . I advised of the complaint and advised lives in the house with and is not renting out rooms. advised and own several cars and on the weekends, both parents and in-laws stay with them in the house and leave during the week. assured me was not renting rooms or using as a congregate residence. also stated nobody is living in the garage or any other uninhabitable spaces and reiterated lives there with family only. I was upset about the treatment has received from neighbors concerning noise from children when they play in the pool and feels is being harrassed because wants to subdivide the lot into four parcels and the neighbors oppose plans. stated has received code enforcement notices in the past about blight issues and has appropriately addressed them.

I spoke to the Planner, George SCHROEDER who confirmed the subdivision plan, but advised nothing has been approved and there is no decision currently pending.

Based on my observations and statements of and , I cannot confirm a violation of the code. I sent an email update and advised of my findings. I advised I would refer the weeds and broken fence to Ofc. SAKHRANI for review and follow up. was also provided the number to call for vehicles parked on the street in excess of 72 hrs.

07/01/2014 File Update - Alex Wykoff , Alex Wykoff 06/26/2014 06/26/2014
Comments

Comments: Site visit. No vehicles on site, three vehicles parked on Krzich- unknown if affiliated. Attempted contact at the door, no answer. I did not observe any excessive garbage or storage in the front yard area, although the front yard was dry and overgrown with weeds and the metal fence on the west side was broken and laying in the front yard. small bits of litter in the front yard, but no significant quantity of trash to indicate a high number of people. I will follow up with the property owner.

07/01/2014 File Update - Alex Wykoff , Alex Wykoff 06/25/2014 06/25/2014
Comments

Comments: Site visit. Monitored the property- no vehicles parked on site, one vehicle parked on Krzich across from the property- unknown if affiliated.

07/01/2014 File Update - Open Alex Wykoff , Alex Wykoff 06/24/2014 06/24/2014
Case

Comments: R/P is concerned about up to ten people living in the house at this address. R/P advised that the number of people and their vehicles parked on the street is adversely affecting the neighborhood. R/P also is concerned about the general neglect and blight of the property. I will follow up.

File Summary Report: 13-000701

Nov 7, 2017

Case Information:**Case #:** 13-000701**Address:**

11226 Bubb

Cupertino CA 95014

Property Owner:**Parcel Number:****Sub-Division:****Status:** Closed**Disposition:** Auto Moved**Neighborhood:****Approximate Location:****Priority:****Type:****Open Date:** Jun 2, 2013**Close Date:** Jun 4, 2013**How Received:****Responsible User:** Gary Kornahrens**Description:** Report of ab. car. UTL/GOA**Legal Description:****Categories:****Citizens:**

Name	Home Address	Home Phone	Business Phone	Association
				Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
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Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
06/04/2013	File Update - Open Case	Gary Kornahrens , Gary Kornahrens		06/04/2013	
Comments: Report of ab. car. UTL/GOA					

File Summary Report: 13-000531

Nov 7, 2017

Case Information:**Case #:** 13-000531**Address:**

11226 BUBB Road

CUPERTINO CA 95014-4979

Property Owner:**Parcel Number:** 362 06 036**Sub-Division:****Status:** Closed**Disposition:** Closed after Warning**Neighborhood:****Approximate Location:****Priority:****Type:****Open Date:** Apr 29, 2013**Close Date:** May 21, 2013**How Received:****Responsible User:** Gary Kornahrens**Description:** High weeds and a couple of small dead shrubs/trees. Observed and sent NOV.**Legal Description:****Categories:****Citizens:**

Name	Home Address	Home Phone	Business Phone	Association
	Home Address: 11226 BUBB RD			Property Owner
	Home Address:			Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-PMW-39	Apr 29, 2013		Closed	

Comments:

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
05/21/2013	File Update - Open Case	Gary Kornahrens , Gary Kornahrens		05/21/2013	

Comments: Cut

04/29/2013	File Update - Open Case	Gary Kornahrens , Gary Kornahrens		04/29/2013	
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Comments: High weeds and a couple of small dead shrubs/trees. Observed and sent NOV.

File Summary Report: 13-000431

Nov 7, 2017

Case Information:**Case #:** 13-000431**Address:**

11226 BUBB Road

CUPERTINO CA 95014-4979

Property Owner:()**Parcel Number:**362 06 036**Sub-Division:** 1**Status:** Closed**Disposition:** Closed after Warning**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Apr 11, 2013**Close Date:**May 21, 2013**How Received:** In Person**Responsible User:** Jeffrey Trybus**Description:** Report of a large dead pine tree on the property.**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
George Schroeder	Home Address: 10300 Torre Avenue Home Address:		(408) 777-7601	Staff Reporting Person
Jonathan Ferrante	Home Address: City of Cupertino10555 Mary Avenue		408-777-3269	Reporting Person Staff

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-PMT-40	Apr 11, 2013	May 16, 2013	Closed	

Comments:

CE-PMW-39	May 02, 2013	May 21, 2013	Closed	
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Comments:**Activities:**

Date	Activity	Assigned To/By	Due	Complete	Approval Status
05/21/2013	File Update - Case Closed	Jeffrey Trybus , Jeffrey Trybus	05/21/2013	05/21/2013	
Comments: I re-inspected the property and noticed that the weeds have been cut in the yard. Photos taken. Case closed.					
05/02/2013	Inspection - Second	Jeffrey Trybus , Jeffrey Trybus	05/21/2013	05/21/2013	
Comments: Second notice mailed.					
05/16/2013	File Update - Comments	Jeffrey Trybus , Jeffrey Trybus	05/16/2013	05/16/2013	
Comments: I made a spot check of the property and noticed that the pine tree has been removed. The weeds are still present. Photos taken.					
05/08/2013	File Update - Comments	Jeffrey Trybus , Jeffrey Trybus	05/08/2013	05/08/2013	
Comments: I called and stated I was complaining against my neighbor. He said I does not want anyone coming onto my property to look around. He said for the past 10 years I has had a problem with the neighbor.					
05/02/2013	File Update - Comments	Jeffrey Trybus , Jeffrey Trybus	05/02/2013	05/02/2013	
Comments: I received a complaint from and advised the weeds are very tall in the front and back yards. I would like the weeds removed.					
04/16/2013	Notice - First	Jeffrey Trybus , Jeffrey Trybus	04/30/2013	05/02/2013	
Comments: First notice mailed.					
04/30/2013	File Update - Comments	Jeffrey Trybus , Jeffrey Trybus	04/30/2013	04/30/2013	
Comments: I spoke with and I told that I spoke with George and I was agreement with me that the tree should be removed. I advised that I would give a three week extention for the tree and weeds. He said the landscaper was supposed to come out last week and he did not come. is looking for a new landscaper.					
04/26/2013	File Update - Comments	Jeffrey Trybus , Jeffrey Trybus	04/26/2013	04/26/2013	

Comments: I called [redacted] and advised [redacted] the tree needs to be removed before the project is approved. I told [redacted] that I could give [redacted] extra time to get the tree removed.

04/23/2013 File Update - Jeffrey Trybus , Jeffrey Trybus 04/23/2013 04/23/2013
Comments

Comments: The property owner, [redacted] called and wanted me to call back. I spoke with [redacted] and [redacted] stated [redacted] is sub-dividing the lot and wants to take care of this when everything is final. [redacted] said [redacted] has been working with George and I told [redacted] that I would speak with [redacted]. I spoke with George and he felt the tree should be removed before the project is finalized.

04/16/2013 File Update - Jeffrey Trybus , Jeffrey Trybus 04/16/2013 04/16/2013
Comments

Comments: I spoke with Assistant Planner, George Schroeder and he advised no permits are required to take the pine tree out.

04/16/2013 File Update - Jeffrey Trybus , Jeffrey Trybus 04/16/2013 04/16/2013
Comments

Comments: I spoke with Jonathan Ferrante and he stated from looking at the photos the tree appeared to be dead. I told Jonathan that I would mail a Notice of Violation to the property owner. We also determined that the Monterey Pine trees are not protected per our ordinance.

04/12/2013 File Update - Jeffrey Trybus , Jeffrey Trybus 04/12/2013 04/12/2013
Comments

Comments: I have not received an answer from Jonathan yet.

04/11/2013 File Update - Jeffrey Trybus , Jeffrey Trybus 04/11/2013 04/11/2013
Comments

Comments: I sent an e-mail to City Arborist, Jonathan Ferrante today to verify the species and if the tree is dead.

04/11/2013 Inspection - First Jeffrey Trybus , Jeffrey Trybus 04/11/2013 04/11/2013
Comments

Comments: On Wednesday, April 10, 2013 I received a complaint from [redacted]. [redacted] said a dead pine tree is located next to [redacted] property and it is dropping dead branches onto [redacted] property. I noticed a very large possible dead pine tree. I took photos of the tree for the case file.

File Summary Report: 12-000720

Nov 7, 2017

Case Information:**Case #:** 12-000720**Address:**

11226 BUBB Road

CUPERTINO CA 95014-4979

Property Owner:**Parcel Number:****Sub-Division:** 1**Status:** Closed**Disposition:** Closed after Warning**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Jun 29, 2012**Close Date:** Aug 2, 2012**How Received:** Phone**Responsible User:** Jeffrey Trybus**Description:** Report of a property with dead trees and vegetation.**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
	Home Address:			Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-FH-13	Jul 05, 2012	Aug 02, 2012	Closed	
Comments:				
CE-PMW-39	Jul 05, 2012	Aug 02, 2012	Closed	
Comments:				

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
08/02/2012	File Update - Case Closed	Jeffrey Trybus , Jeffrey Trybus	08/02/2012	08/02/2012	
Comments: I re-inspected the property and noticed that the weeds have been cut and the dead vegetation has cleared. The bushes have been cleared away from the sidewalk. Photos taken.					
07/11/2012	Notice - First	Jeffrey Trybus , Jeffrey Trybus	07/25/2012	08/02/2012	
Comments: First notice mailed.					
06/29/2012	Inspection - First	Jeffrey Trybus , Jeffrey Trybus	06/29/2012	06/29/2012	
Comments: I responded to the property and observed the dead vegetation and trees along the fence line on Bubb Road. I also noticed dry weeds in the yard. Photos taken.					

File Summary Report: 11-001441

Nov 7, 2017

Case Information:**Case #:** 11-001441**Address:**

11226 BUBB Road

CUPERTINO CA 95014-4979

Property Owner:**Parcel Number:** 362 06 036**Sub-Division:****Status:** Closed**Disposition:** Referred to Public Works**Neighborhood:** Beat 1**Approximate Location:****Priority:****Type:****Open Date:** Nov 23, 2011**Close Date:** Jun 14, 2016**How Received:** Email**Responsible User:** Gulu Sakhrani**Description:** Site Obstruction - Foliage Hazard Complaint**Legal Description:****Categories:**

Code Enforcement

Citizens:

Name	Home Address	Home Phone	Business Phone	Association
				Reporting Person

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-FH-13	Nov 23, 2011		Closed	

Comments:

CE-O-23	Nov 23, 2011	Closed
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Comments: Site Obstruction - Possibly Public Works Dept to evaluate and advise.

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
11/30/2011	File Update - Comments	Gulu Sakhrani , Gulu Sakhrani	12/01/2011	06/14/2016	

Comments: Several emails were sent to the City regarding this address. I advised PW that Mosely and Johnson in PW were looking into this and would follow up or route back to Code.

Awaiting follow up from Mosely.

11/23/2011	Inspection - First	Gulu Sakhrani , Gulu Sakhrani	11/30/2011	06/14/2016	
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Comments: I went to the address and noticed the foliage overhanging onto the roadway. I took photos and attached them to the file.

I also forwarded this complaint to Mosley in PW for evaluation this date to ascertain if it is a site obstruction. Mosely to advise.

01/21/2012	File Update - Case Closed	Gulu Sakhrani , Gulu Sakhrani		01/21/2012	
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Comments: Area cleared. Case closed.

11/23/2011	File Update - Open Case	Gulu Sakhrani , Gulu Sakhrani		11/23/2011	
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Comments: Site Obstruction - Foliage Hazard - Two R/P complaining about shubbery hindering their vision while driving from this address.

File Summary Report: 10-001233

Nov 7, 2017

Case Information:**Case #:** 10-001233**Address:**11226 BUBB Road
CUPERTINO CA 95014-4979**Property Owner:****Parcel Number:** 362 06 036**Sub-Division:****Status:** Closed**Disposition:** Closed after Warning**Neighborhood:****Approximate Location:****Priority:****Type:****Open Date:** Sep 14, 2010**Close Date:** Oct 14, 2010**How Received:****Responsible User:** Gary Kornahrens**Description:** Report of Oliander on side of garage that Obtructs steet and walking path. Also reported weeds in lot at rear are high. Confirmed and sent NOV.**Legal Description:****Categories:****Citizens:**

Name	Home Address	Home Phone	Business Phone	Association
	Home Address:			Reporting Person Property Owner

Violations:

Violation Code	Open Date	Closed Date	Status	Violation Disposition
CE-FH-13	Sep 14, 2010		Closed	
Comments:				
CE-PMW-39	Sep 14, 2010		Closed	
Comments:				

Activities:

Date	Activity	Assigned To/By	Due	Complete	Approval Status
10/14/2010	File Update - Open Case	Gary Kornahrens , Gary Kornahrens		10/14/2010	
Comments: Trimmed and weeds in back cut.					
09/14/2010	File Update - Open Case	Gary Kornahrens , Gary Kornahrens		09/14/2010	
Comments: Report of Oliander on side of garage that Obtructs steet and walking path. Also reported weeds in lot at rear are high. Confirmed and sent NOV.					

POST THIS CARD NEAR FRONT OF BUILDING

CITY OF CUPERTINO

INSPECTION DIVISION JOB INSPECTION RECORD

PERMIT NUMBER
12046

PERMIT EXPIRATION

PERMIT EXPIRES IF WORK IS NOT STARTED WITHIN 180 DAYS OF PERMIT ISSUANCE OR 180 DAYS FROM LAST CALLED INSPECTION.

PERMIT VALIDATION

ISSUANCE DATE

BLDG.	ELECT.	PLG.	MECH.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BUILDING PERMIT INFORMATION

VALUATION \$/FT.

PERMIT TO

Mechanical

STORIES TYPE CONSTR.

OCC. GROUP RES. UNITS

SQ. FT. FLOOR AREA TOTAL ACREAGE

BUILDING USE

RES	IND	CON	PB	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSESSORS PARCEL NO.

TRACT NO. PARCEL NO.

ACC. DATE ACC. FILE NO.

ZONING ENG. SITE NO.

FIRE SPRINK ENERGY T-24

Y	N	Y	N
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FLOOD ZONE A.L.U.C.

Y	N	Y	N
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FEE SUMMARY

BUILDING	
PLAN CHECK FEE	
SEISMIC FEE	
MICROFILM	
ELECTRIC	
PLUMBING	
MECHANICAL	
CONST. TAX	
TOTAL	

JOB ADDRESS **11226 BUBB ROAD** UNIT # LOT #

OWNER **KRZICH** CONTRACTOR **ATLAS HEATING**

INSPECTION DATE INSPECTOR INSPECTION RECORD

FOUNDATION		
UFER		
PREGUNITE		

POUR NO CONCRETE UNTIL ABOVE HAS BEEN SIGNED UNDERGROUND / SLAB

PLUMBING		
ELECTRICAL		
MECHANICAL		

DO NOT POUR FLOOR UNTIL ABOVE HAS BEEN SIGNED WOOD FLOOR

PLUMBING		
MECHANICAL		
ELECTRICAL		
FRAMING		
INSULATION		

PLACE NO SUBFLOOR UNTIL ABOVE HAS BEEN SIGNED ROOF

DIAPHRAGM		
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APPLY NO ROOFING UNTIL ABOVE HAS BEEN SIGNED ROUGH

PLUMBING		
GAS TEST		
MECHANICAL		
ELECTRICAL		
FRAMING		
INSULATION		

FINALS DATE INSP.

SAN #		
PLUMBING		
GAS <i>New Furnace</i>	<i>12-14-87</i>	<i>HB</i>
MECHANICAL		
HEATING <i>New Furnace</i>	<i>12-14-87</i>	<i>HB</i>
ELECTRICAL		

COVER NO WORK UNTIL ABOVE HAS BEEN SIGNED

LATH-INTERIOR		
LATH-EXTERIOR		
SHEETROCK		
SHEAR INTERIOR		
SHEAR EXTERIOR		
FIREWALLS		

FIRE DEPT.		
GRADE		
BUILDING <i>New Furnace</i>	<i>12-14-87</i>	<i>HB</i>

TEMPORARY APPROVALS

ELECTRIC		
GAS		
OCCUPANCY		

NO TAPE OR PLASTER UNTIL ABOVE HAS BEEN SIGNED

OCCUPANCY OF BUILDING IS NOT PERMITTED UNTIL BUILDING FINAL ISSUED BY BUILDING INSPECTOR.

NOTE

ARRANGE FOR INSPECTION BY PHONING 252-4505, ONE WORKING DAY BEFORE REQUIRED INSPECTION. PLEASE GIVE JOB ADDRESS WHEN PHONING.
- SEE PERMIT FOR EXPIRATION DATE -

IMPORTANT!

PLEASE READ REVERSE SIDE BEFORE CALLING FOR FINAL INSPECTION.

OFFICE COPY

APPLICANT TO FILL IN INFORMATION WITHIN RED LINES - USE BALL POINT PEN ONLY

BUILDING PROJECT IDENTIFICATION		APPLICATION & PERMIT		PERMIT NUMBER	
BUILDING ADDRESS 1020 BUBB RD		BUILDING - ELECTRICAL - PLUMBING - MECHANICAL		12046	
OWNER'S NAME KREICH		QTY. ELECTRIC PERMIT FEE		PLAN CHECK VALIDATION	
CONTRACTOR'S NAME ATLAS HEATING		OUTLETS - SWITCHES - RECEPT 10.00/1.00		DATE OF APPLICATION PLAN CHECK FEE P.C. NO.	
CONTRACTOR'S ADDRESS 155 COMMERCIAL ST. SUNNYVALE		LIGHTING FIXTURES 10.00/1.00			
ARCHITECT OR ENGINEER LIC. NO.		APPLIANCES - RESIDENTIAL 4.00		PERMIT VALIDATION	
ARCH. OR ENG. ADDRESS ZIP		PANELS 10.00			
APPLICANT'S ADDRESS 155 COMMERCIAL ST. SUNNYVALE 94086		PANELS (OVER 200 AMP) 20.00		ISSUANCE DATE 12/4/87	
		SIGNS TRANS. 3.00			
LICENSED CONTRACTORS DECLARATION I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect. License Class 1-30 Lic. Number 465266 Date 11-30-87 Contractor ATLAS		SPECIAL CIRCUIT 5.00		<input type="checkbox"/> BLDG. <input type="checkbox"/> ELECT. <input type="checkbox"/> PLG. <input type="checkbox"/> MECH.	
		TEMP. METER OR POLE INS. 20.00			
OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractor's License Law for the following reason, (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code), or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).): <input type="checkbox"/> I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for purpose of sale). <input type="checkbox"/> I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law. <input type="checkbox"/> I am exempt under Sec. _____, B.&P.C. for this reason _____ Date _____		MOTORS SEE FEE SCH.		BUILDING PERMIT INFORMATION VALUATION \$/FT.	
		SERVICE CHANGE 20.00			
WORKERS' COMPENSATION DECLARATION I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.). Policy No. SAFECO <input type="checkbox"/> Certified copy is hereby furnished. <input checked="" type="checkbox"/> Certified copy is filed with the city inspection division. Applicant ATLAS HEATING		MISC. - REFER TO ORD.		PERMIT TO Mechanical STORIES TYPE CONSTR.	
		PERMIT ISSUANCE 10.00			
CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE (This section need not be completed if the permit is for one hundred dollars (\$100) or less.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California. Date _____ Applicant _____ NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.		ELEC. CONTR. LIC. NO. ELEC. TOTAL		OCC. GROUP RES. UNITS	
		QTY. PLUMBING PERMIT FEE			
CONSTRUCTION LENDING AGENCY I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ.C.). Lender's Name _____ Lender's Address _____ I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. (We) agree to save, indemnify and keep harmless the City of Cupertino against liabilities, judgments, costs and expenses which may in any way accrue against said City in consequence of the granting of this permit. Signature of Applicant/Contractor Gracy M. Kasper Date 11-30-87		ALTER-DRAIN & VENT-WATER (EA.) 5.00		SQ. FT. FLOOR AREA TOTAL ACREAGE	
		BACK FLOW PROTECT. DEVICE 4.00			
		DRAINS - FLOOR, ROOF, AREA, COND. 5.00		BUILDING USE <input type="checkbox"/> RES <input type="checkbox"/> IND <input type="checkbox"/> CON <input type="checkbox"/> PB <input type="checkbox"/> Other	
		FIXTURES - PER TRAP 5.00			
		GAS - EA. SYSTEM - 1 INC. 4 OUTLETS 6.00		ASSESSORS PARCEL NO.	
		GAS - EA. SYSTEM - OVER 4 (EA.) 2.00			
		INDUSTRIAL WASTE INTER. 30.00		TRACT NO. PARCEL NO.	
		LAWN SPRINKLERS - 1 INC 5 V.B. 6.00			
		LAWN SPRINKLERS - OVER 5 (EA.) 1.00		ACC. DATE ACC. FILE NO.	
		SEWER-SANITARY-STORM EA. 200ft/10.00			
		WATER HEATER W/VENT 6.00		ZONING ENG. SITE NO.	
		WATER SYSTEM 5.00			
		WATER TREATING EQUIP. 5.00		FIRE SPRINK ENERGY T-24 Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
		MISC. - REFER TO ORD.			
		PERMIT ISSUANCE 10.00		FLOOD ZONE A.L.U.C. Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
		PLG. CONTR. LIC. NO. PLG. TOTAL			
		QTY. MECHANICAL PERMIT FEE		FEE SUMMARY	
		ALTER OR ADD TO MECH. 5.00			
		APPLIANCE 5.00		BUILDING	
		AIR HANDLING UNIT (TO 10,000 C.F.M.) 4.00			
		AIR HANDLING UNIT (OVER 10,000 C.F.M.) 6.00		PLAN CHECK FEE	
		EXHAUST HOOD (WITH DUCT) 5.00			
		HEATING UNIT (TO 100,000 B.T.U.) 8.00		SEISMIC FEE	
		HEATING UNIT (OVER 100,000 B.T.U.) 19.50			
		VENTILATION FAN (SINGLE) 4.00		MICROFILM	
		BOILER - COMP (3 H.P. or 100,000 B.T.U.) 6.00			
		BOILER-COMP (Over 100,000 BTU) SEE FEE SCH.		ELECTRIC	
		MISC. - REFER TO ORD.			
		PERMIT ISSUANCE 10.00		PLUMBING	
		MECH. CONT. LIC. NO. MECH. TOTAL			
		MECH. CONT. LIC. NO. MECH. TOTAL		MECHANICAL 19.50	
		TOTAL 19.50			

OFFICE COPY

PERMIT EXPIRATION
 PERMIT EXPIRES IF WORK IS NOT STARTED
 WITHIN 180 DAYS OF PERMIT ISSUANCE OR
 180 DAYS FROM LAST CALLED INSPECTION.

CITY OF CUPERTINO
 INSPECTION DIVISION

APPLICANT TO FILL IN INFORMATION WITHIN RED LINES - USE BALL POINT PEN ONLY

CITY OF CUPERTINO BUILDING DIVISION		APPLICATION/PERMIT BUILDING PROJECT IDENTIFICATION		PERMIT NO. <div style="font-size: 2em; font-weight: bold;">S 1558</div>									
BUILDING ADDRESS: <div style="font-size: 1.2em; font-weight: bold;">11226 BUAB ROAD, CUPERTINO</div>		OWNER'S NAME: <div style="font-size: 1.2em; font-weight: bold;">JOHN KRZICH</div>		CONTRACTOR'S NAME: <div style="font-size: 1.2em; font-weight: bold;">NOEL F. CROSS</div>									
PHONE: <div style="font-size: 1.2em; font-weight: bold;">255-3492</div>		LIC NO.: <div style="font-size: 1.2em; font-weight: bold;">C-18234</div>		APPLICATION SUBMITTAL DATE: <div style="font-size: 1.2em; font-weight: bold;">4-27-98</div>									
ARCHITECT/ENGINEER: <div style="font-size: 1.2em; font-weight: bold;">NOEL F. CROSS</div>		ADDRESS: <div style="font-size: 1.2em; font-weight: bold;">NOEL CROSS AIA</div>		CONTROL # <div style="font-size: 1.2em; font-weight: bold;">8779</div>									
CONTACT: <div style="font-size: 1.2em; font-weight: bold;">287-1474</div>		<input type="checkbox"/> Consultant Fees Paid by Applicant (Initial) _____		BUILDING PERMIT INFO <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">BLDG</td> <td style="width:25%;">ELECT</td> <td style="width:25%;">PLUMB</td> <td style="width:25%;">MECH</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>		BLDG	ELECT	PLUMB	MECH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
BLDG	ELECT	PLUMB	MECH										
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
LICENSED CONTRACTOR'S DECLARATION I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. License Class _____ Lic. # _____ Date _____ Contractor _____		QTY. <div style="font-size: 1.5em; font-weight: bold;">1</div>		ELECTRIC PERMIT FEE <div style="font-size: 1.5em; font-weight: bold;">3550</div>									
ARCHITECT'S DECLARATION I understand my plans shall be used as public records Licensed Professional _____		PERMIT ISSUANCE		APPLIANCES - RESIDENTIAL									
OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractor's License Law for the following reason. (Section 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500). <input type="checkbox"/> I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for purpose of sale.) <input type="checkbox"/> I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law. <input type="checkbox"/> I am exempt under Sec. _____, B & P C for this reason _____		PANELS UP TO 200 AMPS 201-1000 AMPS OVER 1000 AMPS SIGNS ELECTRICAL SPECIAL CIRCUIT/MISC. TEMP. METER OR POLE INST. POWER DEVICES SWIMMING POOL ELECTRIC OUTLETS - SWITCHES - FIXTURES NEW RESIDENTIAL ELECT'R		SQ. FT. <div style="font-size: 1.5em; font-weight: bold;">1313</div>									
WORKER'S COMPENSATION DECLARATION I hereby affirm under penalty of perjury one of the following: <input type="checkbox"/> I have and will maintain a Certificate of Consent to self-insure for Workmen's Compensation, as provided for by Section 3700 of the Labor Code, for the purpose of this work for which this permit is issued. <input type="checkbox"/> I have and will maintain Worker's Compensation Insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My Worker's Compensation Insurance carrier and Policy number are: Carrier: _____ Policy No.: _____ CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE (This section need not be completed if the permit is for one hundred dollars (\$100) or less.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California. Date _____ Applicant _____ NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.		QTY. <div style="font-size: 1.5em; font-weight: bold;">1</div>		PLUMBING PERMIT FEE <div style="font-size: 1.5em; font-weight: bold;">7222</div>									
CONSTRUCTION LENDING AGENCY I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.) Lender's Name _____ Lender's Address _____ I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. (We) agree to save, indemnify and keep harmless the City of Cupertino against liabilities, judgments, costs and expenses which may in any way accrue against said City in consequence of the granting of this permit. APPLICANT UNDERSTANDS AND WILL COMPLY WITH ALL NON-POINT SOURCE REGULATIONS.		RAIN & VENT - WATER (EA) ROTECT. DEVICE ROOF AREA, COND. FIXTURES - PER TRAP GAS - EA. SYSTEM-1 INC. 4 OUTLETS GAS - EA. SYSTEM-OVER 4 (EA) GREASE/INDUSTRL WASTE INTERCEPTOR GREASE TRAP SEWER - SANITARY - STORM EA. 200 FT. WATER HEATER W/VENT/ELECTR WATER SYSTEM/TREATING WATER SERVICE NEW RESIDENTIAL PLMB.		SQ. FT. <div style="font-size: 1.5em; font-weight: bold;">10772</div>									
Signature of Applicant/Contractor _____ Date _____ HAZARDOUS MATERIALS DISCLOSURE Will the applicant or future building occupant store or handle hazardous material as defined by the Cupertino Municipal Code, Chapter 9.12, and the Health and Safety Code, Section 25532(a)? <input type="checkbox"/> Yes <input type="checkbox"/> No Will the applicant or future building occupant use equipment or devices which emit hazardous air contaminants as defined by the Bay Area Air Quality Management District? <input type="checkbox"/> Yes <input type="checkbox"/> No I have read the hazardous materials requirements under Chapter 6.95 of the California Health & Safety Code, Sections 25505, 25533 and 25534. I understand that if the building does not currently have a tenant, that it is my responsibility to notify the occupant of the requirements which must be met prior to issuance of a Certificate of Occupancy. Owner or authorized agent _____ Date _____		QTY. <div style="font-size: 1.5em; font-weight: bold;">1</div>		MECHANICAL PERMIT FEE <div style="font-size: 1.5em; font-weight: bold;">10772</div>									
		PERMIT ISSUANCE		ALTER OR ADD TO MECH.									
		AIR HANDLING UNIT (TO 10,000 CFM)		AIR HANDLING UNIT (OVER 10,000 CFM)									
		EXHAUST HOOD (W/DUCT)		HEATING UNIT (TO 100,000 BTU)									
		HEATING UNIT (OVER 100,000 BTU)		VENTILATION FAN (SINGLE RESID)									
		BOILER - COMP (3HP OR 100,000 BTU)		BOILER - COMP (OVER 100,000 BTU)									
		AIR CONDITIONER		NEW RESIDENTIAL MECH.									
		SQ. FT. <div style="font-size: 1.5em; font-weight: bold;">10772</div>											
				ISSUANCE DATE <div style="font-size: 1.5em; font-weight: bold;">6-11-98</div>									
				ISSUED BY: <div style="font-size: 1.2em; font-weight: bold;">JOEA-T.O.</div>									

PERMIT EXPIRATION
 PERMIT EXPIRES IF WORK IS NOT STARTED
 WITHIN 180 DAYS OF PERMIT ISSUANCE OR
 180 DAYS FROM LAST CALLED INSPECTION

CITY OF CUPERTINO
 INSPECTION DIVISION

EXPIRATION

PAID JUN 11 1998

BUILDING DIVISION FEES	
PLANCHECK FEE	476-
ENERGY FEE	168-
GRADING FEE	
SOILS FEE	
TOTAL: 644	
BUILDING FEE	560-
SEISMIC FEE	610
ELECTRIC FEE	10772
PLUMBING FEE	10772
MECHANICAL FEE	10772
CONSTRUCTION TAX	
HOUSING MITIGATION FEE	
PAID	Date _____ Receipt # _____
TOTAL: 1533.26	

OFFICE



STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

<u>REPORT DATE</u> 3/11/2015		<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>	
<u>I. REPORTED BY -</u> CUPERTINO PLANNING		<u>CREATED BY</u> LLEE	
<u>III. SITE LOCATION</u>			
<u>FACILITY NAME</u> RESIDENCE - 11226 BUBB RD		<u>FACILITY ID</u>	
<u>FACILITY ADDRESS</u> 11226 BUBB ROAD CUPERTINO, CA 95014 SANTA CLARA COUNTY		<u>ORIENTATION OF SITE TO STREET</u>	
		<u>CROSS STREET</u> Krzich Place	
<u>V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN</u>			
CHLORDANE LEAD OTHER INSECTICIDES / PESTICIDE / FUMIGANTS / HERBICIDES OTHER METAL			
<u>VI. DISCOVERY/ABATEMENT</u>			
<u>DATE DISCHARGE BEGAN</u>			
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u> Site Assessment/Site Investigation	<u>DESCRIPTION</u>	
<u>DATE STOPPED</u>	<u>STOP METHOD</u> Other Means	<u>DESCRIPTION</u> cease practice	
<u>VII. SOURCE/CAUSE</u>			
<u>SOURCE OF DISCHARGE</u>		<u>CAUSE OF DISCHARGE</u>	
<u>DISCHARGE DESCRIPTION</u>			
<u>VIII. CASE TYPE</u>			
<u>CASE TYPE</u> Soil			
<u>IX. REMEDIAL ACTION</u>			
NO REMEDIAL ACTIONS ENTERED			
<u>X. GENERAL COMMENTS</u>			
Single family residence which was constructed in 1955. Prior to that time, orchards were present on the site. Prior to subdividing the property, shallow soil sampling was conducted and reported elevated concentrations of Lead, Cadmium, Chlordane, Dieldrin, Heptachlor Epoxide, and Methoxychlor.			
There is a heritage tree onsite that will need to remain.			
<u>XI. CERTIFICATION</u>			
I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.			
<u>XII. REGULATORY USE ONLY</u>			
<u>LOCAL AGENCY CASE NUMBER</u> 07S2W23K01s		<u>REGIONAL BOARD CASE NUMBER</u>	
<u>LOCAL AGENCY</u>			
<u>CONTACT NAME</u> Gerald O'Regan	<u>INITIALS</u> GOR	<u>ORGANIZATION NAME</u> SANTA CLARA COUNTY LOP	<u>EMAIL ADDRESS</u> gerald.o'regan@deh.sccgov.org
<u>ADDRESS</u> 1555 BERGER DRIVE STE 300 SAN JOSE, CA 95112		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> office	<u>PHONE NUMBER</u> (408)-918-1974	<u>EXTENSION</u>	
<u>REGIONAL BOARD</u>			
<u>CONTACT NAME</u> Regional Water Board	<u>INITIALS</u> UUU	<u>ORGANIZATION NAME</u> SAN FRANCISCO BAY RWQCB (REGION 2)	<u>EMAIL ADDRESS</u>
<u>ADDRESS</u> 1515 CLAY ST SUITE 1400 OAKLAND, CA 94612		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> Office SCP General Contact UST General Contact	<u>PHONE NUMBER</u> (510)-622-2300 (510)-622-2408 (510)-622-3277	<u>EXTENSION</u>	

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Lee, Lani

From: Gian Martire <GianM@cupertino.org>
Sent: Wednesday, March 11, 2015 11:15 AM
To: Lee, Lani
Subject: Voluntary Cleanup Activities
Attachments: Bubb Road Phase 1_Phase II ESA Review (2).pdf; Phase 2 ESA - Bubb & Krzich.pdf

Hi Lani,

Thank you for the call back the other day.

We are processing a potential parcel map to subdivide a single lot into three. It was discovered through the Phase I/II Reports that soil contamination is present onsite. I'm trying to outline a procedure for soil remediation as part of their approval process. As I had mentioned in my message, a similar project in the City had been required to complete voluntary cleanup activities prior to development. I have attached the Phase II (and peer review of the Phase II) for your review and for background.

Thanks again for your time with my questions!

Gian Paolo Martire
Assistant Planner
City of Cupertino
(408) 777-3319
gianm@cupertino.org

Lee, Lani

From: Kevin Qi <sell888us@yahoo.com>
Sent: Monday, March 16, 2015 12:10 PM
To: Lee, Lani
Cc: Mike Qi
Subject: Voluntary Cleanup for 11226 Bubba Rd, Cupertino CA
Attachments: APP.pdf

Hello Lani,

Here is the Application and please let me know if you have any questions. Thank you.

Best Regards

Kevin Qi

Cell # 650-207-6666
Fax # 415-497-6666
Email: sell888us@yahoo.com

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From: Lee, Lani [<mailto:Lani.Lee@deh.sccgov.org>]
Sent: Wednesday, March 11, 2015 11:55 AM
To: Gian Martire
Subject: RE: Voluntary Cleanup Activities

Gian –

Thank you for the information. Yes, this case would be similar to the one that we oversaw on McClellan for Ms. Suejane Han. I think I worked with George from your office on that one. The area around the tree was difficult and we had to have discussions about possibly losing the tree. I have attached the application for entry into our Voluntary Cleanup Program. Have the applicant complete the application and submit to me.

Can you modify MM HAZ – 1.5 to state "...shall adhere to the procedures identified in" a Site Mitigation Plan for Soil Management during Construction that has been approved by the oversight agency... The way this paragraph is currently written sounds like a plan has already been written. If upon our review the document is found to be insufficient in any manner, we would require modification prior to approval. But I do see in a lower paragraph language about preparation and approval of such a document.

Let me know if you have any other questions.

Lani Lee
Acting Hazardous Materials Program Manager
Site Mitigation Program

County of Santa Clara
Department of Environmental Health
1555 Berger Drive Suite #300
San Jose, CA 95112
(408) 918-1977 – Phone
(408) 280-6479 – Fax
www.ehinfo.org

My normal office hours are 7-3:30.

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County of Santa Clara

Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400
www.EHInfo.org

RECEIVED BY: 3
SANTA CLARA COUNTY
DEPT OF ENV. HEALTH

2015 APR 24 PM 1:30



REMEDIAL ACTION AGREEMENT

March 26, 2015

APN <362-06-036>

Mr. Mike Qi
13251 Pierce Road
Saratoga, California 95014

**SUBJECT: VOLUNTARY OVERSIGHT OF REMEDIAL ACTION AND
INVESTIGATION, RESIDENCE, 11226 BUBB ROAD, CUPERTINO,
CALIFORNIA**

Dear Mr Qi:

On March 16, 2015, we received your application to enter into the Voluntary Cleanup Program. This application provided background and a summary of work previously conducted at your site. Based on review of the subject document, it appears that a discharge of waste¹, in the form of "waste and occurrence", has occurred at the subject site, which requires further characterization and potential remediation.

Santa Clara County Department of Environmental Health (DEH) is assuming the role as the regulatory oversight agency for characterization and potential remediation of the released waste as allowed by Section 101480 of the California Health and Safety Code. DEH has determined based on our research that Mike Qi is the Responsible Party² for this release of waste. By entering into this Remedial Action Agreement (Agreement), you agree to the following conditions.

- All subsequent directives and written agreements from DEH regarding testing, monitoring, and analysis to determine the nature, extent, and risk of contamination, potential remedial action to be taken, and cleanup goals (including deadlines for required submittals), collectively referred to as Corrective Action, will be considered a part of this Agreement.
- All Corrective Action activities will follow Corrective Action Requirements under Title 23 of the California Code of Regulations and Regional Water Quality Control Board

¹ Waste as defined in Health and Safety Code Section 101075, and Water Code Section 13050.

² Responsible Party as defined in Sections 25260 and 101480 of the Health and Safety Code.

Guidance documents available at www.waterboards.ca.gov. Santa Clara Valley Water District must be contacted for monitoring well installation and destruction. Their Well Ordinance and Guidance can be found at www.valleywater.org. Regardless of the level of oversight from DEH, you are responsible for the timely reporting, investigation, and cleanup of soil and groundwater pollution such that the beneficial uses of waters of the State are protected, and in compliance with appropriate laws, regulations and policies. You are also responsible for compliance with any new laws or regulations that may be applicable during the term of this agreement.

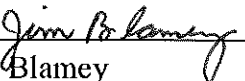
- If, at any time, the Responsible Party is not in compliance with directives from DEH that constitute a portion of this Agreement, DEH can, with adequate notice, terminate this Agreement. If the Agreement is terminated prior to adequate completion of the Agreement, the case will be referred to the Department of Toxic Substance Control (DTSC) or Regional Water Quality Control Board (RWQCB) for issuance of a State Corrective Action Order, Cleanup and Abatement Order, or other order or enforceable agreement, as appropriate, for further remedial action directives.
- If, upon further characterization, DEH determines that the release of waste that is the subject of this Agreement is sufficiently complex, may present such a significant potential hazard to human health or the environment, or may not be in the best interest of the DEH to continue as lead agency, the case may be referred to the DTSC or RWQCB for further action. In the event this case is referred to and accepted by the DTSC or RWQCB then this agreement is terminated.
- Pursuant to Section 25262 of the Health and Safety Code, a Responsible Party may request the designation of an administering or lead agency other than DEH when required to conduct corrective action. Please contact DEH for further information about the State Site Designation Committee process.
- This case is subject to California regulations for electronic submittal of information for all soil and groundwater cleanup cases in California (Title 23, Division 3, Chapter 30, Articles 1 and 2; Title 27, Division 3, Subdivisions 1 and 2). To be considered complete, all required submittals must be uploaded to the State of California Geotracker database (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/) in compliance with State Water Resources Control Board (Geotracker) requirements by specified submittal due dates. Electronic copy submittal to DEH is required, except for specified documents and oversized portions of submittals (larger than 8½ x 17 inches) which must be submitted to our office by established due dates, with appropriately identifying cover.
- After determining that the Responsible Party has completed the actions required by the Agreement, DEH will provide the Responsible Party with a letter that certifies that the cleanup goals embodied in the Agreement have been accomplished and no further action is required.

- As allowed by Section 101490 of the Health and Safety Code, DEH will invoice the Responsible Party to recover the reasonable and necessary costs for oversight of the identified release up to and including implementing this Agreement. For this case, approximately one hour has already been worked, and will be included in the first invoice. DEH staff time will be invoiced quarterly at the rate specified in the County Fee Ordinance. The current hourly charge rate is \$191 per hour under the County's fee schedule and adopted by the Board of Supervisors. Failure to pay invoices within 60 days may result in a 25% late charge and could result in assignment of the charges to the County's Department of Revenue for legal collections, and potential termination of this Remedial Action Agreement with subsequent referral to the DTSC or RWQCB.

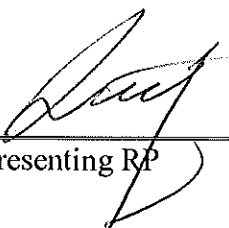
We require an initial deposit of eight hours at the current hourly rate of \$191 per hour for a total of \$1,528 to be submitted along with this Agreement. Submit a check in the amount of \$1,528 made payable to "County of Santa Clara DEH VCP".

Please sign and date below and return one copy of this Remedial Action Agreement in the enclosed envelope within 45 days of the date of this letter. In the event that you decide that you prefer an agency other than DEH as lead agency, please submit your intention in writing within 45 days of the date of this letter. Should you have any questions, Ms. Lani Lee is the Voluntary Cleanup Program staff assigned to this case. She can be reached at (408) 918-1977 or by email at lanilee@deh.sccgov.org.

Sincerely,



Jim Blamey
Director



Addressee representing RP

4/18/15
Date

cc: John Wolfenden, RWQCB (john.wolfenden@waterboards.ca.gov)
Mark Piros, DTSC (mpiros@dtsc.ca.gov)

County of Santa Clara

Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400
www.EHinfo.org



March 16, 2015

Mr. Mark Piros
Department of Toxic Substances Control
Site Mitigation Program
700 Heinz Avenue, Suite 200
Berkeley, CA 94710

Mr. John Wolfenden
San Francisco Regional Water Quality
Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

RE: Written notification pursuant to H&SC, Section 101480– Local cleanup oversight

This is a written notification as required by Health and Safety Code, Section 101487. All the required information is given below:

1. Name and address of the responsible party and site owner:
Mr. Mike Qi
13251 Pierce Road
Saratoga, California 95014
2. Address and location of the site:
11226 Bubb Road, Cupertino 95014 (APN 362-06-036)

This is a residential parcel that is undergoing redevelopment. Prior to development soil samples were collected and found to contain organochlorine pesticides present above residential EPA Regional Screening Levels (RSLs). The planned involvement by the County of Santa Clara is to oversee the site investigation and proposed soil removal as requested by the responsible party.

If you need any further information about this site, please contact the undersigned at (408) 918-1977.

Sincerely,

Lani Lee
Acting Hazardous Materials Program Manager
Site Mitigation Program

cc: Alana Lee, EPA (lee.alana@epa.gov)

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division
Site Mitigation Program
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479
www.EHinfo.org



VOLUNTARY CLEANUP PROGRAM PROJECT APPLICATION

Applicant Name(s): Mike Qi

Applicant Address: 11226 Bubb Rd City: Cupertino Zip: 95014

Project Site Address: 11226 Bubb Rd City: Cupertino Zip: 95014

Property Owner Name(s): Mike Qi
If owner is a corporation, LP, or LLC, note the name exactly as it is registered with the California Secretary of State

Property Owner Address: 13251 Pierce Rd City: Saratoga Zip: 95070

Billing Contact Name: Mike Qi eMail Address: mike.qi@sbaglobal.net
If different from owner

Billing Address: 13251 Pierce Rd City: Saratoga State: CA Zip: 95070
If different from mailing address

Applicant Phone No.: (408) 446-1238 Applicant eMail Address: mike.qi@sbaglobal.net

Project Contact Person: Mike Qi Contact Phone No.: (408) 446-1238 ext.

APN Number(s): 362-06-036-00

Scope of Work [Briefly describe the project]

Will the project result in long term engineering controls that will require ongoing operation and maintenance? ☐ YES ☒ NO

Will the project leave any significant contamination on site that will require limitations or protective "caps"? ☐ YES ☒ NO

If yes – our Department generally requires a deed notification and/or restriction be filed PRIOR to case closure. Are you willing to accept a deed notification and/or restriction if required by the Department? ☐ YES ☒ NO

Signature of Property Owner: [Signature] Title: Owner Date: 3/12/15

The undersigned hereby applies for the Voluntary Cleanup Program from the County of Santa Clara. I hereby certify that the submitted information is true, accurate, and complete. I understand that a new remedial action agreement will be required if this property changes ownership. I understand that this is a fee for service program. Invoices for this project will be sent to the Applicant unless otherwise directed.

Signature of Applicant: [Signature] Title: Owner Date: 3/12/15

DO NOT SEND MONEY WITH YOUR APPLICATION



M E M O R A N D U M

To: George Schroeder
Associate Planner
City of Cupertino Planning Division

From: Tanya Carothers

Date: February 9, 2015

RE: 11226 Bubb Road – Preliminary Review of Phase I and Phase II ESAs for CEQA Purposes

Per your request, we have reviewed the Phase I and Phase II ESAs for the residential project at 11226 Bubb Road. Our findings are summarized below.

Because of past agricultural use, soil testing was undertaken at 11226 Bubb Road to determine if residual concentrations of persistent agricultural chemicals, such as organochlorine pesticides and metals, are present on the site. Several chemicals were detected on the site including arsenic, lead, chlordane, dichlorodiphenyldichloroethane (4, 4-DDD), dichlorodiphenyldichloro-ethylene (4,4'-DDE), 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT), dieldrin, heptachlor, heptachlor epoxide, and methoxychlor. The levels of chemicals on the site were compared to California Human Health Screening Levels (CHHSLs), which provide a risk-based determination of environmental concerns on a potentially contaminated property.

CHHSL thresholds were last revised by the Office of Environmental Health Hazard Assessment (OEHHA) in 2009 and 2010. These thresholds are not regularly updated based on the most recent data. For this reason, in 2014 the Department of Toxic Substances Control (DTSC) switched from CHHSLs to Regional Screening Levels (RSLs) to evaluate risks from hazardous materials to human health. RSLs were established by the US Environmental Protection Agency (USEPA) and are updated regularly, typically at least twice per year.

The Phase II ESA that was prepared for the project at 11226 Bubb Road, compares the detected contaminants to CHHSLs which are no longer the DTSC recommended thresholds for evaluating risks to human health. We recommend the contaminant levels on the site be re-evaluated based on RSLs, consistent with the most recent methodologies used in the Bay Area to evaluate hazardous materials risks to human health.¹

Regardless of the thresholds used (CHHSLs versus RSLs), based on the Phase II ESA it appears that hazardous materials are present on the site and remediation will be required for the proposed residential uses. Oversight for characterization and remediation of unauthorized releases of

¹ The San Francisco Bay Regional Water Quality Board has also established screening levels for a range of hazardous substances in soil, groundwater, and soil vapor. These environmental screening levels (ESLs) are commonly employed by the Regional Board to assess whether potential hazards may be present on a site.

pollutants on properties in Cupertino may be handled by one or more regulatory agencies. These include the San Francisco Bay Regional Water Quality Control Board, County of Santa Clara Department of Environmental Health, or DTSC.

From a California Environmental Quality Act (CEQA) perspective, if there is known or potential contamination above screening levels used for residential uses by oversight agencies, enough characterization needs to be done to come up with a mechanism for mitigation to reduce possible exposure of future residents (and construction workers, if concentrations are higher) that could result in substantial health risks. The mitigation measures would identify if additional sampling and analysis is required, remediation standards, the types of controls that may be employed (e.g., institutional or engineering controls as defined by oversight agencies), oversight for characterization and any remediation, and timing (e.g., prior to construction grading). On residential sites, risks are generally reduced either by remediation of contaminated soils (e.g., excavation and off-site disposal) and/or implementation of engineering and institutional controls (e.g., soil capping and deed restrictions/notices) to ensure that any potential added health risks to construction workers, maintenance and utility workers, residents, and the general public are reduced to acceptable levels.

If contamination above levels of concern are present, generally enough sampling needs to be done to complete a Work Plan or Site Management Plan for remediation or soil handling and determine the approximate depth of any soil removal. One of the regulatory agencies would provide oversight on any soil removal and the collection and analysis of confirmation samples. The oversight agencies can also provide a clearance letter to the City that the Work Plan had been completed and/or there were adequate controls in place to reduce health risks to residents to a less than significant level.

For your information, below are two examples of mitigation measures for residential development where residual pesticide concentrations were detected at levels exceeding thresholds.

20840 McClellan Road Mitigated Negative Declaration (July 2013)

Mitigation Measures: As a condition of approval and in conformance with local, state, and federal regulations, the project shall implement the following mitigation measures with the oversight of the Santa Clara County Department of Environmental Health and City of Cupertino to reduce impacts associated with redevelopment of the site to a less than significant level:

MM HAZ – 1.1: The project shall excavate the area of lead-impacted soil to a depth of 1.5 feet in the area identified in the Revised Site Mitigation Plan. Soils will be tested, profiled, and granted acceptance to a landfill permitted to handle disposal of lead contaminated soil prior to excavation of these soils directly into trucks for offhaul from the site. Dust control measures (watering) shall be employed prior to and during excavation and loading to eliminate or minimize dust creation.

MM HAZ – 1.2: From the rear of the existing residence to the midpoint of the property, pesticide-impacted soils that would be located beneath pavement or covered by structures will be excavated to a depth of six inches and disposed of at a permitted landfill. Where impacted soils are present in future landscape areas, soils will be excavated to a depth of one foot below grade. In planned landscape areas, confirmation sampling will be completed to confirm pesticide-impacted soils have been removed. Contaminated soils from landscape areas up to a depth of six inches will be disposed of offsite. The

remaining excavated landscape area soil from depths of six inches to one foot will be stockpiled on-site and eventually disposed at a permitted landfill or placed as fill beneath areas of pavement.

- MM HAZ – 1.3:** Within the branch canopy of the large oak tree on-site surface soil to a depth of approximately six to twelve inches below grade, will be excavated by hand under the consultation and direction of the City of Cupertino’s arborist. Prior to excavation, confirmation subsurface samples will be collected at three-inch intervals from six inches to one foot below grade and analyzed to establish excavation depths within the oak tree canopy. Confirmation sampling will be completed to confirm pesticide-impacted soils have been removed.
- MM HAZ – 1.4:** In the event confirmation samples reveal the presence of additional lead or organochlorine pesticides, additional excavation and sampling will be completed under the oversight of the Santa Clara County Department of Environmental Health.
- MM HAZ – 1.5:** Remediation work on the site shall adhere to the procedures identified in the Site Mitigation Plan for Soil Management during Construction, including off-site disposal, dust control, reuse of on-site soils, and implementation of a contractor health and safety plan. **(Less Than Significant Impact with Mitigation Incorporated)**

**990 Wren Avenue Initial Study
City of Santa Clara (January 2015)**

- MM HAZ-1.1:** As pesticide contaminated soils were found on the site in concentrations above established thresholds (e.g., Regional Water Quality Control Board ESLs for unrestricted residential use), regulatory oversight shall be initiated and a Site Management Plan (SMP) will be prepared and implemented (as outlined below). Regulatory oversight may be provided by the Santa Clara County Department of Environmental Health (SCCDEH), the Regional Water Quality Board (RWQCB) or DTSC. These agencies may also require additional site investigation to fully delineate the extent of contaminants of concern at the site. The potential risks to human health shall be reduced either by remediation of contaminated soils (e.g., excavation and off-site disposal) and/or implementation of engineering and institutional controls (e.g., soil capping and deed restrictions/notices) to ensure that any potential added health risks to construction workers, maintenance and utility workers, residents, and the general public as a result of potential hazardous materials contamination are reduced to acceptable levels, as required by a regulatory oversight agency.

Any contaminated soils removed shall be disposed of according to the California Hazardous Waste Regulations. Contaminated soil shall be handled by trained personnel using appropriate protective equipment and engineering and dust controls, in accordance with local, State, and Federal laws. The contaminated soil to be removed from the site shall be hauled off-site and disposed of at a licensed hazardous materials disposal site.

Institutional and engineering controls employed on the site may include placement of new fill, pavement, or buildings over contaminated soils and/or adoption of deed restrictions.

An SMP will be prepared to establish management practices for handling impacted soil material that may be encountered during site development and soil-disturbing activities. Components of the SMP will include: a detailed discussion of the site background; preparation of a Health and Safety Plan by an industrial hygienist; notification procedures if previously undiscovered significantly impacted soil is encountered during construction; on-site soil reuse guidelines based on the California RWQCB, San Francisco Bay Region's reuse policy; sampling and laboratory analyses of excess soil requiring disposal at an appropriate off-site waste disposal facility; a dust control plan; and soil stockpiling protocols. Prior to issuance of grading permits, a copy of the SMP must be approved by the SCCEHD, the City's Director of Planning and Inspection, and the Santa Clara Fire Chief.

Implementation of the identified mitigation measures would reduce the risk of construction worker and resident exposure to contaminated soils to a less than significant level. **(Less Than Significant Impact With Mitigation)**



STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

<u>REPORT DATE</u> 3/11/2015		<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>	
<u>I. REPORTED BY -</u> CUPERTINO PLANNING		<u>CREATED BY</u> LLEE	
<u>III. SITE LOCATION</u>			
<u>FACILITY NAME</u> RESIDENCE - 11226 BUBB RD	<u>FACILITY ID</u>		
<u>FACILITY ADDRESS</u> 11226 BUBB ROAD CUPERTINO, CA 95014 SANTA CLARA COUNTY	<u>ORIENTATION OF SITE TO STREET</u>		
	<u>CROSS STREET</u> Krzich Place		
<u>V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN</u>			
CHLORDANE LEAD OTHER INSECTICIDES / PESTICIDE / FUMIGANTS / HERBICIDES OTHER METAL			
<u>VI. DISCOVERY/ABATEMENT</u>			
<u>DATE DISCHARGE BEGAN</u>			
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u> Site Assessment/Site Investigation	<u>DESCRIPTION</u>	
<u>DATE STOPPED</u>	<u>STOP METHOD</u> Other Means	<u>DESCRIPTION</u> cease practice	
<u>VII. SOURCE/CAUSE</u>			
<u>SOURCE OF DISCHARGE</u>		<u>CAUSE OF DISCHARGE</u>	
<u>DISCHARGE DESCRIPTION</u>			
<u>VIII. CASE TYPE</u>			
<u>CASE TYPE</u> Soil			
<u>IX. REMEDIAL ACTION</u>			
NO REMEDIAL ACTIONS ENTERED			
<u>X. GENERAL COMMENTS</u>			
Single family residence which was constructed in 1955. Prior to that time, orchards were present on the site. Prior to subdividing the property, shallow soil sampling was conducted and reported elevated concentrations of Lead, Cadmium, Chlordane, Dieldrin, Heptachlor Epoxide, and Methoxychlor.			
There is a heritage tree onsite that will need to remain.			
<u>XI. CERTIFICATION</u>			
I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.			
<u>XII. REGULATORY USE ONLY</u>			
<u>LOCAL AGENCY CASE NUMBER</u> 07S2W23K01s		<u>REGIONAL BOARD CASE NUMBER</u>	
<u>LOCAL AGENCY</u>			
<u>CONTACT NAME</u> Gerald O'Regan	<u>INITIALS</u> GOR	<u>ORGANIZATION NAME</u> SANTA CLARA COUNTY LOP	<u>EMAIL ADDRESS</u> gerald.o'regan@deh.sccgov.org
<u>ADDRESS</u> 1555 BERGER DRIVE STE 300 SAN JOSE, CA 95112		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> office	<u>PHONE NUMBER</u> (408)-918-1974	<u>EXTENSION</u>	
<u>REGIONAL BOARD</u>			
<u>CONTACT NAME</u> Regional Water Board	<u>INITIALS</u> UUU	<u>ORGANIZATION NAME</u> SAN FRANCISCO BAY RWQCB (REGION 2)	<u>EMAIL ADDRESS</u>
<u>ADDRESS</u> 1515 CLAY ST SUITE 1400 OAKLAND, CA 94612		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> Office SCP General Contact UST General Contact	<u>PHONE NUMBER</u> (510)-622-2300 (510)-622-2408 (510)-622-3277	<u>EXTENSION</u>	

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APPENDIX D

PHASE II ENVIRONMENTAL SITE ASSESSMENT



UPDATE TO PHASE II ENVIRONMENTAL SITE ASSESSMENT

**BUBB ROAD PROPERTY
11226 BUBB ROAD
CUPERTINO, CA 95014**

Project Number 2017-11-009

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APPENDIX

- Plates
- Analytical Results

Ray Chen
1532 Wright Avenue
Sunnyvale, CA 94087
(408) 712-3846
Rhc88@sbcglobal.net

Subject: Update To Phase II Environmental Site Assessment for
Bubb Road Property
11226 Bubb Road
Cupertino, CA 95014
APN(s): 36206036

1. INTRODUCTION

As requested, Enviro Assessment, PC (Enviro Assessment) has prepared an Update to the Original Phase II Environmental Site Assessment (Update) for 11226 Bubb Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. For the purpose of this Update, the term "Property" shall refer to either one property or multiple properties. The purpose of the Update is to address and compare laboratory results from the Phase II investigation conducted August 28, 2014 and update site characterization recommendations.

2. SITE HISTORY

A previous Phase I Environmental Site Assessment was performed in July of 2013. Based on the aerial photos, internet research, and topographic maps of the site, the Property was developed with the current single-family residence in 1955. Prior to the single-family residence that occupies the Property now, the Property and much of the surrounding area were agricultural. Agricultural was the first known use of the Property. An addition or remodel was permitted in 1980. No other records were found for the Property.

Along with the Phase I Environmental Site Assessment, a Phase II Investigation was conducted in July 2014. The purpose of the Phase II was to determine the presence of impacts to the soil from the past use as agricultural and residential land.

3. POTENTIAL ISSUES

Agricultural Use

Based on aerial photographs reviewed, it appears that the site (a total of $\frac{3}{4}$ acres) was used as an orchard since prior to 1948 until the residence was constructed in 1955.

Structures

Structures constructed prior to 1978 may have been painted with lead-based paints. Organochlorine Pesticides (OCPs) may have been applied as pest control to properties prior to 1988. One residence was constructed in 1955 at 11226 Bubba Road based on information gathered during the Phase I Environmental Site Assessment (EA, 2013).

Based on the construction date cited above, lead-based paints could have been used at the structure.

Based on the construction dates, OCPs could have been used on the Property, based on typical pest control usage.

Sampling Strategy

The 2014 investigation was intended as a screening-level tool to determine whether Organochlorine Pesticides (OCPs) and CAM 17 metals related impacts to the Property exist. DTSC Guidelines recommended 16 discrete samples across the entirety of the Property including the crawlspace of the residence, under concrete, and within two feet of existing structures

Laboratory Results

The tables below present the laboratory results as reported by Cal Labs Inc. (formerly Argon). The complete August 28, 2014 Phase II report with laboratory results is attached. The Direct Exposure Human Health Risk Levels (Table S-1) from the California Water Boards Environmental Screening Levels (Feb. 2016 Rev. 3) were reviewed for each chemical for soil being used for residential shallow soil exposure. Screening Levels provide a risk-based determination of environmental

concerns on a potentially contaminated property. Note that the lab reports concentrations in parts per million (mg/kg). The samples are summarized in the following tables.

Table 1. Soil Analytical Results for Pesticides

Chemical	Crawl space (mg/kg)	Crawl space 2 (mg/kg)	Crawl space 3 (mg/kg)	Y2 (mg/kg)	Y1 (mg/kg)	P4 (mg/kg)	P3 (mg/kg)	P2@1 (mg/kg)	Poolhouse DW (mg/kg)	Poolhouse #1 (mg/kg)	Poolhouse Krzich	Pool Yd Entry (mg/kg)	L of Gar 10" (mg/kg)	R of Gar (mg/kg)	L of Entry (mg/kg)	R Front Corner (mg/kg)	Exposure ESLs (mg/kg)
PESTICIDES																	
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.036
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
Chlordane (tech)	0.42	2.2	90	ND	0.16	5.1	1.7	1.1	0.94	ND	1.5	ND	ND	ND	0.19	3.7	0.48
alpha-Chlordane	0.032	0.23	9.8	0.001	0.012	0.48	0.18	0.099	0.085	ND	0.10	0.011	ND	ND	0.024	0.36	N/L
gamma-Chlordane	0.033	0.25	9.1	0.001	0.012	0.48	0.18	0.099	0.085	ND	0.10	0.011	ND	ND	0.024	0.36	N/L
4,4' - DDD	0.018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.071	2.7
4,4' - DDE	ND	ND	ND	0.006	0.009	0.076	0.16	0.23	ND	ND	ND	ND	ND	ND	0.023	0.077	1.9
4,4' - DDT	0.13	0.15	ND	0.007	0.030	0.068	0.33	0.17	ND	0.032	0.054	ND	ND	ND	0.013	0.31	1.9
Dieldrin	ND	ND	ND	ND	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.043	0.038
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	420
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21

Chemical	Crawlspace (mg/kg)	Crawlspace 2 (mg/kg)	Crawlspace 3 (mg/kg)	Y2 (mg/kg)	Y1 (mg/kg)	P4 (mg/kg)	P3 (mg/kg)	P2@1 (mg/kg)	Poolhouse DW (mg/kg)	Poolhouse #1 (mg/kg)	Poolhouse Krzich (mg/kg)	Pool Yd Entry (mg/kg)	L of Gar 10" (mg/kg)	R of Gar (mg/kg)	L of Entry (mg/kg)	R Front Corner (mg/kg)	Exposure ESLs (mg/kg)
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/L
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	0.14
Heptachlor epoxide	ND	ND	ND	ND	ND	0.045	0.012	0.014	ND	ND	0.043	ND	ND	ND	0.006	ND	0.067
Hexachloro - benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34
Hexachloro - cyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55
Methoxychlor	0.056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	350
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51

Table 2. Soil Analytical Results for Metals

Chemical	Crawlspace (mg/kg)	Crawlspace 2 (mg/kg)	Crawlspace 3 (mg/kg)	Y2 (mg/kg)	Y1 (mg/kg)	P4 (mg/kg)	P3 (mg/kg)	P2@1 (mg/kg)	Poolhouse DW (mg/kg)	Poolhouse #1 (mg/kg)	Poolhouse Krzich (mg/kg)	Pool Yd Entry (mg/kg)	L of Gar 10" (mg/kg)	R of Gar (mg/kg)	L of Entry (mg/kg)	R Front Corner (mg/kg)	Exposure ESLs (mg/kg)
METALS																	
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31
Arsenic*	3.1	5.1	4.1	3.7	7.8	4.7	3.7	3.0	5.4	2.6	2.6	3.3	5.3	4.3	3.9	36	0.067
Barium	240	220	350	180	240	150	94	170	250	54	70	180	240	220	400	150	15000

Chemical	Crawlspc (mg/kg)	Crawlspc 2 (mg/kg)	Crawlspc 3 (mg/kg)	Y2 (mg/kg)	Y1 (mg/kg)	P4 (mg/kg)	P3 (mg/kg)	P2@1 (mg/kg)	Poolhouse DW (mg/kg)	Poolhouse #1 (mg/kg)	Poolhouse Krzich (mg/kg)	Pool Yd Entry (mg/kg)	L of Gar 10" (mg/kg)	R of Gar (mg/kg)	L of Entry (mg/kg)	R Front Corner (mg/kg)	Exposure ESLs (mg/kg)
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
Cadmium	ND	ND	4.9	ND	1.7	1.2	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	39
Chromium	100	130	97	110	92	69	68	100	77	40	33	120	54	110	31	79	120000
Cobalt	22	28	18	22	20	12	7.3	21	18	5.2	5.4	24	12	21	7.8	19	23
Copper	42	49	150	41	87	57	52	43	40	4	26	62	32	50	21	39	3100
Lead	7.8	17	170	17	65	28	33	12	39	19	31	9.2	14	64	14	26	80
Mercury	0.11	ND	0.19	ND	0.39	0.30	0.58	ND	0.15	ND	0.10	ND	ND	0.14	0.10	ND	13
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
Nickel	85	76	67	84	82	53	36	76	89	22	22	80	65	88	26	68	820
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
Silver	ND	ND	1.6	ND	3.4	2.4	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78
Vanadium	110	120	80	110	90	58	41	100	78	34	35	120	60	94	36	120	390
Zinc	74	110	1200	68	150	120	110	77	230	51	160	100	74	73	55	130	23000

4. CHEMICALS OF POTENTIAL CONCERN

Based upon the above described comparison, arsenic, cobalt, lead, chlordane, and dieldrin are chemicals of potential concern.

Arsenic

As shown in Table 3 (Appendix), no metals of concern were detected in concentrations exceeding the screening levels, with the exception of Arsenic. However, based on regional background soil sampling results from the Wilson Etal study (Wilson, S. A. Etal, Analysis of Soil Samples from the San Joaquin Valley of California, United States Geological Survey (USGS), Open File Report 90 214, undated), the Arsenic levels do not appear to be elevated above typical levels in California, with the exception of the sample "R Front Corner".

Metals

Cobalt and Lead are identified as above the respected ESLs.

OCPs

Chlordane and dieldrin are identified as above the respected ESLs.

5. SUMMARY AND OPINION

The Property is located at 11226 Bubba Road, Cupertino, CA 95014. The Property is identified by its APN(s) as 36206036. The purpose of the Phase II was to evaluate the soil of the Property for impacts from the site's historical use as a residence and as part of an orchard.

The soils samples collected and analyzed indicated elevated levels of arsenic, cobalt, lead, chlordane, and dieldrin. These samples indicate that soils around the residential structure are impacted with metals and OCPs at levels above the ESLs identified by the state.

6. CONCLUSIONS AND RECOMMENDATIONS

It is recommended that the minor contamination at the following locations be cleaned up by the Property owner:

- Soil adjacent (within 3 feet) to the foundation along the front of the house should be

removed to a depth of 1 foot and disposed of (chemicals of concern: chlordane, dieldrin, and arsenic)

- After demolition of the house, the soil within the foundation should be removed and disposed of to a depth of 1 foot (chemicals of concern: cobalt, lead, and chlordane)

Special Terms and Conditions

We have been authorized by Ray Chen to update the original Phase II environmental site assessment of the Property. It is our understanding that Ray Chen will use the information contained in this report for due diligence and as part of the development of the Property. Without prior written consent of the client, Enviro Assessment, PC will keep confidential and not disclose to any person or entity, and data or information provided by the client or generated in conjunction with the performance of this study, except when required by law. Provisions of confidentiality shall not apply to data or information obtained from the public domain or acquired from third parties not under obligation to the client to maintain confidentiality.

User Reliance

This report was prepared for the exclusive use of Ray Chen. No other person or entity is entitled to rely upon this report without the specific written authorization of Enviro Assess. Such reliance is subject to the same limitations, terms, and conditions as the original contract with the client. Enviro Assess specifically disclaims any responsibility for any unauthorized use of this report.

Limitations

Our professional services were performed, our findings obtained, and our conclusions proposed in accordance with generally accepted principles and practices. This warranty is in lieu of all other warranties either expressed or implied. Test findings and statements of professional opinion do not constitute a guarantee or warranty, expressed or implied.

Opinions provided herein apply to the currently available data, and existing and reasonably foreseeable conditions at the time of this investigation. They cannot apply to changes in site conditions of which this office is unaware or has not had the opportunity to evaluate. Soil samples are collected from a small “representative area of soil”, these samples are assumed to represent the

chemical makeup of the general area, and as such there may be variations in adjacent soils. To further reduce the clients' liabilities, additional samples may be collected and analyzed to lower the possibility of generalizing the conditions and/or not locating an area of impacted soils at the site. Changes in conditions at the properties may occur with time due to natural processes or works of man on the properties or adjacent properties. Specifically, the properties are still under active use and chemicals may be applied to the properties between the date of this report and property redevelopment.

Changes in applicable standards may also occur as a result of legislation or broadening of knowledge. Accordingly, findings of this report may be invalidated, wholly or in part, by changes beyond our control.

7. PROFESSIONAL SIGNATURE

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property.

It has been a pleasure to be of service. If any questions arise, please contact our office.

Sincerely,

ENVIRO ASSESS



James D. Robinson
Signed on November 16, 2017
Professional Geologist



Jason Hunt
Signed on November 16, 2017
Department Manager